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TRENDS IN CANADA'S AGRICULTURAL TRADE AND PRODUCTION 1959-69

A STATISTICAL LOOK AT CANADIAN - U.S. COMPETITION

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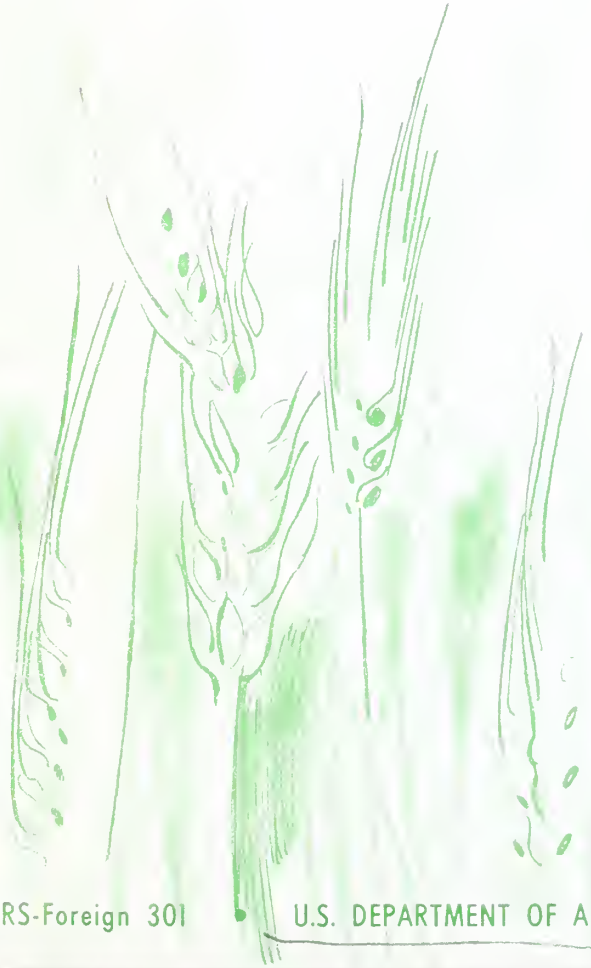

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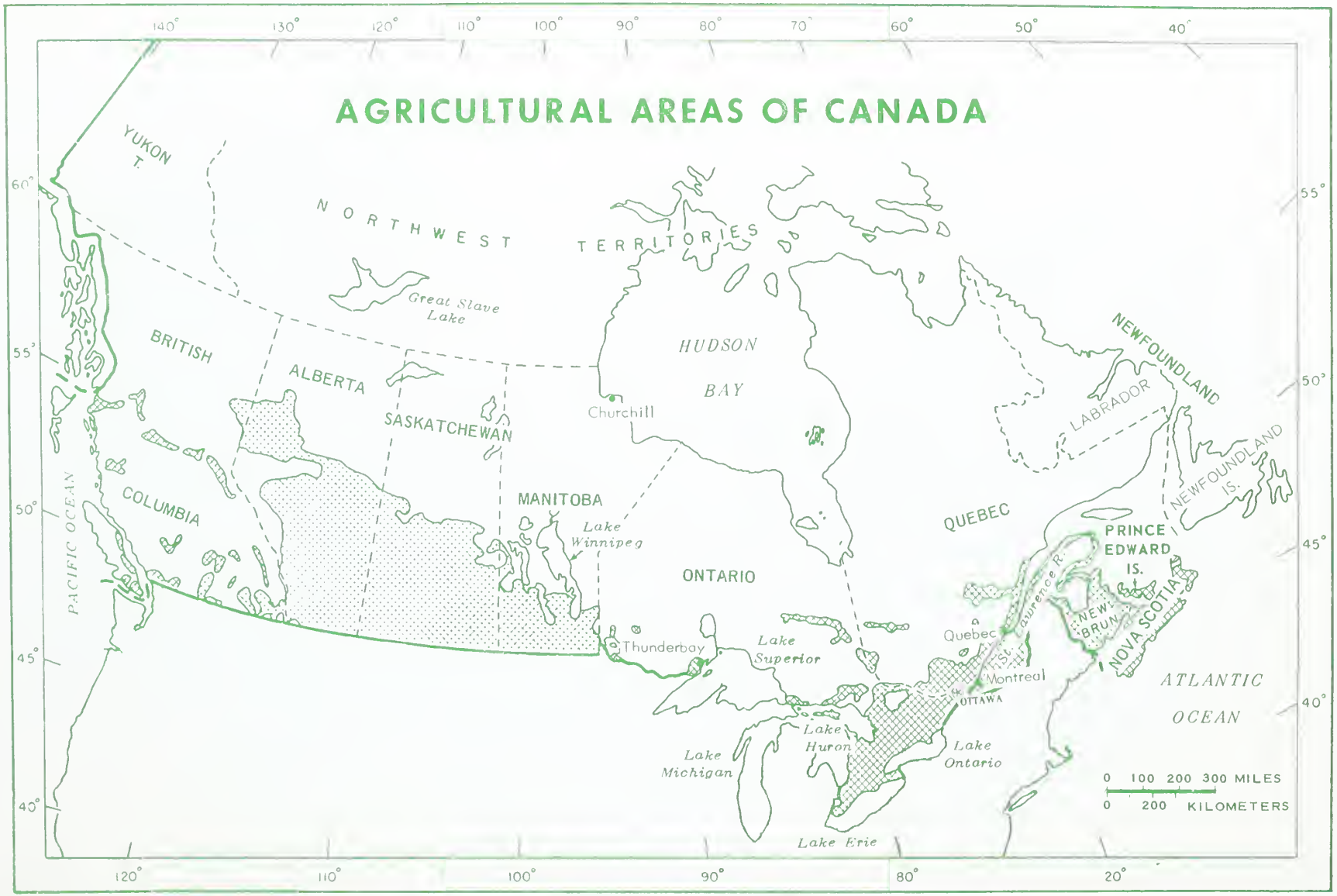

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ABSTRACT

This report provides a statistical review of Canada's role during the past decade as a supplier of agricultural commodities competing with U.S. agricultural commodities. Trade, production, consumption, farm resources and inputs, and grain marketing patterns for relevant agricultural commodities are treated. In 1959-69, wheat and flour dominated Canada's agricultural exports, but tobacco, barley, flaxseed, rapeseed, animal feeds, meat, and live cattle were also important. The Prairie Provinces led in crop production--especially grains and oilseeds.

KEY WORDS: Canada, Prairie Provinces, Wheat, Feed grains, Oilseeds, Tobacco, Agricultural commodities.

PREFACE

The relative competitive roles of Canadian and U.S. agriculture in third countries and in North America are examined in this report. Canada's agricultural sector is presently undergoing significant adjustments, owing to shrinking foreign grain markets and resultant surplus stocks of wheat and other grains. This statistical review will hopefully improve understanding of both the changes taking place and their effects on Canada's competitive position in agricultural markets.

TABLE OF CONTENTS

	Page
PREFACE	i
LIST OF TABLES	ii
EXPLANATORY NOTES	v
HIGHLIGHTS	vi
INTRODUCTION	1
CANADIAN AGRICULTURAL TRADE	1
Principal Agricultural Exports	1
Exports of Selected Commodities by Destination	2
U.S.-Canadian Agricultural Trade	3
CANADIAN PRODUCTION OF COMPETITIVE AGRICULTURAL PRODUCTS	33
DOMESTIC DEMAND FOR COMPETITIVE COMMODITIES	44
FARM RESOURCES AND INPUTS	49
CANADIAN GRAIN MARKETING PATTERNS	59
APPENDIX: CANADA: POPULATION, ANIMAL UNITS, PRICE INDICES, AND EXCHANGE RATES, 1959-69	63
LIST OF REFERENCES	64

Washington, D.C. 20250 September 1970

LIST OF TABLES

Page

CANADIAN AGRICULTURAL TRADE

Principal Agricultural Exports

Table 1.--Canada: Value of principal agricultural exports, 1959-69. . . . 4

Table 2.--Canada: Principal agricultural exports as percentages of total agricultural exports, 1959-69. 6

Table 3.--Canada: Volume of principal agricultural exports, 1959-69 . . . 8

Table 4.--Canada: Value of total agricultural exports, by region or country of destination, 1959-68. 9

Table 5.--Canada: Percentage distribution of total agricultural exports by value, by region or country of destination, 1959-68 10

Table 6.--Canada: Percentage of principal agricultural commodities exported to the United States, 1959-69 11

Exports of Selected Commodities by Destination

Table 7.--Canada: Volume of exports of wheat and flour combined, by region or country of destination, 1959-68. 13

Table 8.--Canada: Volume of exports of durum wheat, other wheat, and flour, by region or country of destination, 1959-68. 14

Table 9.--Canada: Volume of barley and malt exports, by region or country of destination, 1959-68. 17

Table 10.--Canada: Volume of oat exports, by region or country of destination, 1959-68 19

Table 11.--Canada: Volume of flaxseed exports, by region or country of destination, 1959-68. 20

Table 12.--Canada: Volume of rapeseed exports, by region or country of destination, 1959-68. 21

Table 13.--Canada: Volume of flue-cured tobacco exports, by region or country of destination, 1959-69 22

Table 14.--Canada: Volume of cattle hide and calf skin exports, by region or country of destination, 1959-69. 23

Table 15.--Canada: Volume of nonfat dry milk exports, by region or country of destination, 1959-69 24

Page

U.S.-Canadian Agricultural Trade

Table 16.--United States: Value of principal agricultural imports from Canada, 1959-68 25

Table 17.--United States: Volume of principal agricultural imports from Canada, 1959-68 26

Table 18.--United States: Value of principal agricultural exports to Canada, 1959-68 27

Table 19.--United States: Volume of principal agricultural exports to Canada, 1959-68 28

Table 20.--Canada: Value of selected agricultural imports, by region or country of origin, 1959-69. 29

Table 21.--Canada: Volume of selected agricultural imports, by region or country of origin, 1959-69. 31

CANADIAN PRODUCTION OF COMPETITIVE COMMODITIES

Table 22.--Canada: Value and indices of agricultural production, 1959-69. 34

Table 23.--Canada: Cash receipts from farming operations, by commodity, 1959-68 35

Table 24.--Canada: Area, yields, and production of selected crops, 1959-69 36

Table 25.--Canada: Production of selected agricultural commodities, by region, 1959-69 38

Table 26.--Prairie Provinces: Area, yields, and production of selected crops, 1959-69 40

Table 27.--Prairie Provinces: Area seeded, yields, and production of principal crops on summer fallow and stubble, 1959-69 41

Table 28.--Canada: Cattle and hogs on hand and estimated production, by region, 1959-68 42

Table 29.--Canada: Production of selected animal products, 1959-69. . . . 43

CANADIAN DOMESTIC DEMAND FOR COMPETITIVE COMMODITIES

Table 30.--Canada: Apparent domestic disappearance of selected agricultural commodities, 1959-68. 45

Table 31.--Canada: Apparent per capita domestic disappearance of selected agricultural products, 1959-68. 47

Table 32.--Canada: Apparent domestic disappearance of selected agricultural commodities per grain consuming animal unit, 1959-68. . 48

Page

FARM RESOURCES AND INPUTS

Table 33.--Canada: Total population, farm population, and percentage of population on farms, by region, 1956, 1961, and 1966. . . 50

Table 34.--Canada: Total employed labor force, number in agriculture, and percentage in agriculture, by region, 1959-69. 51

Table 35 --Canada: All (census) farms classified by number, area, and use of agricultural land, by region, 1961 and 1966 52

Table 36.--Canada: Value of total farm capital and of implements and machinery on farms, by region, 1959-68 53

Table 37.--Canada: Value per farmworker by total farm capital and of implements and machinery on farms, by region, 1959-68. . . . 54

Table 38.--Canada: Trucks, tractors, and grain combines on farms, by region, 1961 and 1966. 55

Table 39.--Canada: Sales of fertilizers for domestic use, by region, 1959-68. 56

Table 40.--Canada: Sales of fertilizers for domestic use per acre of improved farmland under crops and improved pasture, 1961 and 1966. 57

Table 41.--Canada: Sales of special tobacco fertilizers, 1959-68 57

Table 42.--Canada: Sales of pest control products for agricultural use, 1959-68 58

CANADIAN GRAIN MARKETING PATTERNS

Table 43.--Storage capacity of Canadian licensed grain elevators, by type and region, 1959 and 1968. 60

Table 44.--Stocks of Canadian wheat, oats, and barley in Canada, 1959-70. 61

Table 45.--Overseas exports from Canadian ports of selected grains and oilseeds, by clearance sector, 1959-68 62

EXPLANATORY NOTES

Items in tables may not always add up to the totals because of rounding.

Animal numbers, acreage, production, and average yield totals for Canada do not include Newfoundland, Yukon, or the Northwest Territories except where noted. Inclusion of Newfoundland in Canadian totals is noted by footnote or by the inclusion of Atlantic Provinces as a region.

Population and animal unit estimates, price indices, and exchange rates are provided in the Appendix.

Atlantic Provinces--Newfoundland, Nova Scotia, New Brunswick, and Prince Edward Island.

Maritime Provinces--Nova Scotia, New Brunswick, and Prince Edward Island.

Prairie Provinces--Manitoba, Saskatchewan, and Alberta.

Oats--Canadian bushels of 34 lb. are used (U.S. bushels = 32 lb.).

Apples--Canadian bushels of 45 lb. are used (U.S. bushels = 48 lb.).

-- (dash) indicates zero or less than half a unit.

n.a. indicates "not available."

Currency--Unless otherwise noted, currency figures are in current U.S. dollars.

Units of measure--

Commodity	Unit	Equivalent	
		Pound	Kilogram
Wheat	bu.	60	27.22
Barley	bu.	48	21.77
Oats	bu.	34	15.42
Rye	bu.	56	25.40
Corn, shelled	bu.	56	25.40
Flaxseed	bu.	56	25.40
Rapeseed	bu.	50	22.68
Soybeans	bu.	60	27.22
Apples	bu.	45	20.41

HIGHLIGHTS

Canadian agricultural exports, despite their decline in recent years, continue to be both significant sources of export earnings and leading competitors with U.S. agricultural exports. In 1969, Canada's agricultural exports amounted to $1.1 billion or 9 percent of total exports--a drop from their 20 percent share in 1959. Wheat and flour, usually accounting for more than half the total, have consistently dominated agricultural exports. In recent years, U.S. agricultural exports to Canada have averaged more than twice the value of U.S. agricultural imports from Canada.

The total value of Canadian agricultural commodities has risen significantly since 1959, but crop production--dominated by the Prairie Provinces--has grown much more than livestock. In the late 1960's, wheat production led all other agricultural commodities, followed by cattle and calves, dairy products, and hogs. Total Canadian cattle production increased steadily until 1965, but has declined since that year. Hog production is trending upward.

Total Canadian consumption of beef and veal, corn, barley, apples, and rapeseed has been growing rapidly, but that of oats, wheat, fruit juices, citrus, tobacco, and flaxseed has declined or stagnated. Animal consumption of barley and corn has increased, but that of oats has decreased.

From 1956 to 1966, Canada's farm population declined from 17 to 10 percent of the total population, and the farm labor force has been declining even more rapidly. The Prairie Provinces, with over 40 percent of the nation's employed agricultural labor force and three-quarters of its farmland, play a leading role in Canadian agriculture. The use of agricultural inputs grew rapidly during the 1959-68 period. Farm capital per worker doubled, fertilizer sales increased by 150 percent, and sales of pest control products leaped 140 percent.

An efficient marketing and transport system for grains and oilseeds contributes to Canada's favorable competitive position in world markets. The storage capacity of Canadian grain elevators increased between 1959 and 1969, but declining exports in recent years have led to large increases in on-farm storage. Grain exports are channeled through five gateways: the Atlantic Ocean, the St. Lawrence River, the Great Lakes-St. Lawrence Seaway system, Hudson Bay, and the Pacific Ocean. The ports on the St. Lawrence River and the Pacific Ocean handle the bulk of these exports.

TRENDS IN CANADA'S AGRICULTURAL TRADE AND PRODUCTION, 1959-69: A STATISTICAL LOOK AT CANADIAN-U.S. COMPETITION

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INTRODUCTION

The statistical tables in this report present an overall view of Canada's role during the past decade as a supplier of agricultural commodities in competition with U.S. agriculture. Canadian agricultural commodities competing with U.S. agricultural commodities are in one or more of three categories: (1) commodities competing (directly or indirectly) with U.S. agricultural exports to third countries, (2) commodities exported in substantial quantities to the United States, and (3) commodities competing with important U.S. exports to Canada within the Canadian market.

The five sections of this report provide information on Canadian agricultural trade, production, consumption, farm resources and inputs, and grain marketing patterns. The first section identifies those commodities which compete with U.S. agricultural commodities in each of the foregoing three categories. The section on production reviews Canadian output of the more important competitive commodities, placing special emphasis on grain and oilseed production in the Prairie Provinces. The third section--Canadian consumption--examines domestic consumption trends for competitive commodities. The next one examines the factors of labor, land, and capital in Canadian agriculture. The last section--grain marketing patterns--presents trends in the storage and export movement of grains and oilseeds--important determinants of Canada's competitive position in third country markets.

CANADIAN AGRICULTURAL TRADE

Ranking fifth among the world's trading nations, Canada's economy depends on the maintenance of high levels of trade. Although Canadian agricultural exports have declined in recent years, they continue to be a significant source of export income as well as leading competitors for U.S. agricultural exports.

Principal Agricultural Exports

Tables 1 through 5 show Canada's principal agricultural exports and markets for total agricultural exports since 1959. Total Canadian agricultural exports grew from $1 to $1.7 billion from 1959 to 1966, and dropped to $1.1 billion in 1969. 1/ During 1959-69, agriculture's share of total exports fell from almost 20 percent to less than

1/ Currency figures are in current U.S. dollars unless otherwise noted.

9 percent. In this same period, Canadian imports of agricultural products (not shown in tables) grew from less than $800 million to slightly more than $1 billion--generally less than exports.

Wheat and wheat flour have consistently dominated agricultural exports, accounting for 43 to 65 percent (56 percent average) of the total value over the 11-year period. None of the other important agricultural exports--tobacco, flaxseed, live cattle, barley, animal feeds, pork, rapeseed, beef--accounted for even 5 percent of total agricultural exports in 1969, a particularly poor year for wheat.

Although the United States and the United Kingdom are the principal markets for Canadian agricultural exports, their combined share of total Canadian agricultural exports in the period 1959-68 dropped from 54 to 40 percent. Most of the decline in share is attributable to the United Kingdom. Other important markets are Japan, Mainland China, the European Community (EC), and Eastern Europe (including the USSR). Japan's share (12 percent) of Canada's agricultural exports has grown gradually; Mainland China's share has fluctuated from 6 to 12 percent since 1961 (previously, its share was negligible); the EC's share has fluctuated between 11 and 17 percent, with a slight downward trend; and Eastern Europe's share has gyrated greatly, ranging from 2 to 27 percent.

Table 6, which shows the proportion of principal Canadian agricultural exports destined for the United States, indicates those commodities competing with the United States in third country markets, those competing within the U.S. market itself, and those which compete little or not at all with U.S. agriculture. Canadian exports of live animals (principally cattle), meats, fruit, animal feeds, and alfalfa, clover, and grass seeds, are destined primarily for the U.S. market and compete with U.S. agriculture mostly within this market. Canadian exports of dairy products, 2/ wheat, coarse grains, vegetables, tobacco, cattle hides and calf skins, oilseeds, and tallow compete with U.S. agricultural exports in third country markets. Oilseed product exports consist mainly of soybean oil and oilcake, made to a large extent from U.S. raw materials. 3/

Exports of Selected Commodities by Destination

Tables 7 through 15 provide more detailed information on the most important export commodities competitive with U.S. exports to third countries. The volumes of these exports are shown on a crop year basis (where applicable), by regions and principal countries of destination.

Since 1960, exports of wheat and flour (tables 7 and 8) have generally ranged from 300 to 400 million bushels, except in 1963, 1965, and 1966--years of exceptionally large exports to the Soviet Union. Mainland China, the United Kingdom, the EC, and Japan have been large buyers of Canadian wheat, and in the 1968 season, accounted for 75 percent of total wheat and flour exports. The Soviet Union and Eastern Europe have also been important markets, but their purchases fluctuate widely from year to year, and in 1968 accounted for only 3 percent of the total Canadian export volume. Durum wheat was exported principally to the EC and Other Western Europe; wheat flour was exported mainly to Cuba, other less developed countries, and the United Kingdom.

2/ This report does not give details on cheese because the United States is not a significant exporter of cheese ($4.4 million in 1968).

3/ Canada has a tariff advantage on the U.K. market for soybean oil and oilcake.

As indicated in tables 9 and 10, barley was the most important Canadian coarse grain export in the 1959-68 period, but oats was also important in certain years. Both commodities compete indirectly with U.S. corn and grain sorghum exports. The United States and the United Kingdom--and in some years, the EC, Mainland China, and Japan--were the principal export markets for Canadian barley. Malt was exported mainly to the United States, Latin America and the Caribbean, the Philippines, and Japan. Most of the oat exports went to the EC and the United States, and have not been large, except for the 1962-65 period.

Canadian exports of flaxseed and rapeseed (tables 11 and 12) compete with U.S. exports of flaxseed, soybeans, and cottonseed. By 1968, Japan was the principal market for Canadian flaxseed, followed by the Netherlands, the United Kingdom, and the other EC countries. Japan is also Canada's principal rapeseed market. During the 1959-68 period, 56 percent of the total volume of rapeseed exports went to Japan. In the 1967 and 1968 crop years, Japan's share was even larger--79 percent.

Flue-cured tobacco, hides and skins, and nonfat dried milk (tables 13, 14, and 15) are other important exports competing directly with U.S. agricultural exports. During the 1959-69 period, about 80 percent of Canadian flue-cured tobacco was exported to the United Kingdom, and the rest throughout the world. Cattle hide and calf skin exports have been trending upward--their principal markets being the EC, the United States, Japan, and Eastern Europe. Cuba was the most important market for Canadian nonfat dried milk, but exports to other less developed countries, especially Mexico, increased greatly. Other important markets were in Western Europe.

U.S.-Canadian Agricultural Trade

Tables 16 through 19 identify, by value and volume, the principal agricultural products traded between the United States and Canada. These tables indicate trade trends of Canadian products competitive in the U.S. market and of U.S. products competitive in the Canadian market. In the 1959-68 period, U.S. agricultural imports from Canada, almost all of which are supplementary to U.S. agricultural production, totaled over $200 million per annum. The principal products imported are live animals (mainly cattle), and meats and preparations, which combined accounted for over 41 percent of total agricultural imports from Canada in 1968. Other important imports include animal feeds, crude drugs, bakery goods, apples, barley, grass and clover seeds, and maple products, which combined equal 30 percent of 1968 agricultural imports from Canada. Since 1959, imports of beef and veal; fruits, nuts and preparations; bakery goods; crude drugs; and mustard seed have increased greatly, but imports of wheat, barley, and malt have declined significantly.

In recent years, U.S. agricultural exports to Canada have averaged close to $500 million--more than twice the value of agricultural imports from Canada. About 20 to 25 percent of the value of U.S. exports to Canada is complementary to Canadian agricultural production. Fruits, nuts and preparations (citrus, citrus juices, and grapes are most important); vegetables (particularly lettuce, potatoes, and tomatoes); soybeans and soybean products; corn; and meat accounted for almost 70 percent of the total value of U.S. agricultural exports to Canada in 1968. Exports of rice, grapes, lettuce, and tomatoes increased in value, but cotton shipments declined.

Tables 20 and 21 provide some insight into the nature of competition within the Canadian import market for the most important U.S. agricultural products traded there. During 1959-69, the United States supplied over 90 percent (by value) of the Canadian import market for corn, rice, grapes, lettuce, oilseed cake and meal, and soybeans. In addition, it was the dominant supplier of citrus, fruit juices, other fruit products, and most vegetables. Other important competitors for the Canadian agricultural import market were Mexico (fruit, tomatoes, and cotton), Australia (fruit), South Africa (fruit), USSR (cotton),and Western Europe (vegetable oils).

Table 1.--Canada: Value of principal agricultural exports, 1959-69 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 dollars										
Live animals	57,292	41,295	66,031	63,699	38,823	31,925	73,106	72,152	39,140	54,912	50,322
Cattle	54,207	39,146	60,674	60,596	35,396	28,106	68,344	64,882	31,038	45,676	40,852
Other	3,085	2,149	5,357	3,103	3,427	3,819	4,762	7,270	8,102	9,236	9,470
Meat and preparations	44,710	45,757	42,341	40,043	41,088	47,810	70,480	66,490	53,940	64,324	71,067
Beef and veal, fresh, chilled, and frozen	9,615	7,281	10,052	7,679	6,962	11,237	27,233	24,374	13,299	21,955	24,193
Pork, fresh, chilled, and frozen	17,751	15,052	13,866	13,737	13,151	14,824	18,362	17,501	20,153	21,042	24,818
Pork, other products	11,334	10,044	9,510	10,236	11,837	9,644	10,200	7,975	6,530	6,237	6,218
Other	6,010	13,380	8,913	8,391	9,138	12,105	14,685	16,640	13,958	15,090	15,638
Dairy products 2/	32,691	27,158	23,749	22,964	25,820	56,462	42,954	33,521	31,264	29,578	33,742
Cheese	7,541	6,695	6,262	8,321	8,364	10,325	10,800	13,110	10,366	15,060	13,102
Nonfat dry milk 3/	9,481	4,733	3,444	2,682	4,791	5,306	11,948	9,936	14,374	10,866	16,286
Whole dry milk 4/	8,226	12,684	11,853	8,503	6,810	7,562	8,656	3,161	2,068	362	385
Other	7,443	3,046	2,190	3,658	5,855	33,269	11,550	7,314	4,456	3,290	3,969
Wheat and flour 5/	528,523	487,345	713,464	616,467	785,714	1,039,526	838,494	1,058,070	742,348	686,728	486,729
Coarse grains	95,840	76,468	69,310	54,847	59,217	77,215	72,172	76,915	93,728	58,763	45,126
Rye	5,174	4,126	6,298	8,859	6,276	7,715	5,359	11,664	10,613	6,248	2,964
Barley 6/	80,554	64,282	58,563	38,657	30,840	55,700	47,360	48,932	76,600	46,102	37,165
Oats 7/	8,828	6,966	3,627	6,357	21,473	12,349	17,436	12,074	4,386	4,053	2,362
Other 8/	1,284	1,094	822	974	628	1,451	2,017	4,245	2,129	2,360	2,635
Fruits, nuts and preparations	11,731	14,066	13,299	16,790	21,322	20,281	18,944	21,874	27,649	27,634	23,878
Apples, fresh	6,767	8,246	8,430	9,753	11,074	10,593	10,083	9,414	12,376	14,907	11,969
Other	4,964	5,820	4,869	7,037	10,248	9,688	8,861	12,460	15,273	12,727	11,907
Vegetables and preparations 9/	14,553	17,551	16,509	23,643	26,942	31,315	40,551	38,508	46,039	43,113	46,614
Potatoes	5,744	5,567	5,332	8,285	7,259	11,444	16,300	11,747	13,293	12,767	13,937
Other	8,809	11,984	11,177	15,358	19,683	19,871	24,251	26,761	32,746	30,346	32,677
Animal feeds 10/	12,567	13,580	16,204	19,426	25,616	29,639	31,359	32,294	33,632	29,290	36,215
Oilseed products 11/	19,106	17,931	17,937	23,703	27,030	25,770	31,374	24,854	21,611	20,762	18,492
Soybean	17,547	16,245	13,991	21,794	24,875	22,313	26,801	22,195	20,000	17,020	16,210
Other	1,559	1,686	3,946	1,909	2,155	3,457	4,573	2,659	1,611	3,742	2,282
Tobacco, unmanufactured	26,244	26,143	27,258	32,408	26,924	34,802	32,001	35,093	43,506	50,135	54,459
Flue-cured	24,671	24,630	26,884	31,416	25,456	32,693	30,666	33,777	42,770	49,628	54,082
Other	1,573	1,513	374	992	1,468	2,109	1,335	1,319	736	507	377
Cattle hides and calf skins	12,946	14,770	14,806	12,068	9,853	11,852	18,384	29,403	21,366	18,870	21,430
Oilseeds	61,949	70,426	69,835	68,548	58,836	63,175	90,761	109,096	94,258	77,341	87,238
Flaxseed	42,999	48,749	45,667	39,237	35,668	45,012	47,784	56,255	41,178	35,163	48,479
Rapeseed	10,506	12,650	13,670	19,344	14,944	9,391	28,582	35,594	37,803	29,515	28,843
Other 12/	8,444	9,027	10,498	9,967	8,224	8,772	14,395	17,247	15,277	12,663	9,916
Alfalfa, clover, and grass seeds	9,252	8,798	9,237	10,830	12,453	11,550	12,478	11,497	8,275	9,219	11,113
Tallow	6,186	6,032	6,897	5,754	6,694	9,954	11,574	10,958	8,870	8,490	9,179
Other agricultural products	88,252	78,450	91,906	96,018	120,439	113,815	108,677	122,661	126,351	131,867	13/137,000
Total agricultural exports	1,021,842	945,770	1,198,783	1,107,208	1,286,771	1,605,091	1,493,309	1,743,386	1,391,977	1,311,026	13/1,132,604

-- Continued

Table 1.--Canada: Value of principal agricultural exports, 1959-69 1/--Continued

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 dollars										
Total exports, all commodities	5,237,604	5,418,498	5,680,170	5,783,098	6,288,648	7,487,283	7,885,697	9,315,330	10,278,211	12,257,138	13,358,439

1/ Calendar years. 2/ Includes casein. 3/ Skim milk powder. 4/ Whole milk powder. 5/ Includes bagged seed wheat. Flour converted to wheat equivalent at rate of 1 cwt. flour = 2.3 bu. wheat. 6/ Includes malt. 7/ Includes oatmeal and rolled oats. 8/ Corn, corn meal, and buckwheat. 9/ Includes vegetable seeds, dried peas, and dried beans. 10/ Includes bran shorts, middlings, hulls, screenings, chaff, scourings, chopped oats, oat byproducts, mixed feed oats with scalpings, hay, clover, straw, complete feeds, feed concentrates, and pet food. Does not include oilseed cake or meal. 11/ Includes cake, meal, and oil of soybeans, mustard seed, rapeseed, and flaxseed. 12/ Mostly soybeans and mustard seed, but also includes sunflower seed and safflower seed. Most of the soybean exports are reexports of U.S.-produced soybeans. 13/ Estimated.

Sources: Individual commodities and total exports (10, Dec. 1959-69); total agricultural exports, 1959-60 (31); 1961-67 (29); 1968 (32). The underscored numbers in parentheses refer to the items shown in the List of References.

Table 2.--Canada: Principal agricultural exports as percentages of total agricultural exports, 1959-69 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent										
Live animals	5.6	4.4	5.5	5.8	3.0	2.0	4.9	4.1	2.8	4.2	4.4
Cattle	5.3	4.1	5.1	5.5	2.7	1.8	4.6	3.7	2.2	3.5	3.6
Other	.3	.3	.4	.3	.3	.2	.3	.4	.6	.7	.8
Meats and preparations	4.4	4.8	3.5	3.6	3.2	3.0	4.7	3.8	3.9	4.9	6.3
Beef & veal, fresh, chilled, frozen	.9	.8	.8	.7	.5	.7	1.8	1.4	1.0	1.7	2.2
Pork, fresh, chilled, frozen	1.7	1.7	1.2	1.2	1.0	.9	1.2	1.0	1.4	1.6	2.2
Pork, other products	1.1	1.1	.8	.9	.9	.6	.7	.5	.5	.5	.5
Other	.7	1.2	.7	.8	.8	.8	1.0	.9	1.0	1.1	1.4
Dairy products	3.2	2.9	2.0	2.1	2.0	3.5	2.9	1.9	2.2	2.3	3.0
Cheese	.7	.7	.5	.8	.6	.6	.7	.8	.7	1.1	1.2
Nonfat dry milk	.9	.5	.3	.2	.4	.3	.8	.6	1.0	.8	1.4
Whole dry milk	.8	1.3	1.0	.7	.5	.5	.6	.2	.1	--	--
Other	.8	.4	.2	.3	.5	2.1	.8	.4	.3	.3	.4
Wheat and wheat flour	51.7	51.5	59.5	55.7	61.1	64.8	56.2	60.7	53.3	52.4	43.0
Coarse grains	9.4	8.1	5.8	5.0	4.6	4.8	4.8	4.4	6.7	4.5	4.0
Rye	.5	.4	.5	.8	.5	.5	.4	.7	.8	.5	.3
Barley	7.9	6.8	4.9	3.5	2.4	3.5	3.2	2.8	5.5	3.5	3.3
Oats	.9	.7	.3	.6	1.7	.8	1.2	.7	.3	.3	.2
Other	.1	.1	.1	.1	-	.1	.1	.2	.1	.1	.2
Fruits, nuts and preparations	1.1	1.5	1.1	1.5	1.6	1.3	1.2	1.3	2.0	2.1	2.1
Apples, fresh	.7	.9	.7	.9	.9	.7	.7	.5	.9	1.1	1.1
Other	.4	.6	.4	.6	.7	.6	.5	.8	1.1	1.0	1.0
Vegetables and preparations	1.4	1.9	1.4	2.1	2.1	2.0	2.7	2.2	3.3	3.3	4.1
Potatoes	.6	.6	.4	.7	.6	.7	1.1	.7	1.0	1.0	1.2
Other	.8	1.3	1.0	1.4	1.5	1.3	1.6	1.5	2.4	2.3	2.9
Animal feeds	1.2	1.4	1.4	1.8	2.0	1.8	2.1	1.9	2.4	2.2	3.2

--Continued

Table 2.--Canada: Principal agricultural exports as percentages of total agricultural exports, 1959-69 1/--Continued

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent										
Oilseed products	1.9	1.9	1.5	2.1	2.1	1.6	2.1	1.4	1.6	1.6	1.6
Soybean	1.7	1.7	1.2	2.0	1.9	1.4	1.8	1.3	1.4	1.3	1.4
Other	.2	.2	.3	.1	.2	.2	.3	.1	.2	.3	.2
Tobacco, unmanufactured	2.6	2.8	2.3	2.9	2.1	2.2	2.1	2.0	3.1	3.8	4.8
Flue-cured	2.4	2.6	2.2	2.8	2.0	2.0	2.1	1.9	3.1	3.8	4.8
Other	.2	.2	.1	.1	.1	.2	--	.1	.1	--	--
Cattle hides and calf skins	1.3	1.6	1.2	1.1	.8	.7	1.2	1.7	1.5	1.4	1.9
Oilseeds	6.1	7.4	5.8	6.2	4.6	3.9	6.1	6.2	6.8	5.9	7.7
Flaxseed	4.2	5.2	3.8	3.5	2.8	2.8	3.2	3.2	3.0	2.7	4.3
Rapeseed	1.0	1.4	1.1	1.7	1.2	.6	1.9	2.0	2.7	2.3	2.5
Other	.9	.8	.9	1.0	.6	.5	1.0	1.0	1.1	.9	.9
Alfalfa, clover, and grass seeds	.9	.9	.8	1.0	1.0	.7	.8	.7	.6	.7	1.0
Tallow	.6	.6	.6	.5	.5	.6	.8	.6	.6	.6	.8
Other agricultural products	8.6	8.3	7.7	8.7	9.4	7.1	7.3	7.0	9.1	10.1	12.1
Total agricultural exports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agricultural percent of total exports	19.5	17.5	21.1	19.1	20.5	21.4	18.9	18.7	13.5	10.7	8.5

Source: Calculated from data in table 1.

Table 3.--Canada: Volume of principal agricultural exports, 1959-69 1/

Commodity	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Cattle	1,000 head	343	273	503	492	279	222	613	537	262	354	242
Meat and preparations												
Beef and veal, fresh, chilled, and frozen	1,000 lb.	27,681	23,143	34,224	24,660	21,796	38,065	95,822	73,666	36,388	61,834	47,478
Pork, fresh, chilled, snd frozen	do	53,352	51,127	35,029	36,281	34,572	39,830	43,087	37,905	49,221	51,080	48,190
Pork, other	do	23,714	21,963	23,400	16,026	17,816	19,637	18,889	13,076	12,275	8,041	6,716
Dairy products												
Cheese	do	20,009	18,730	19,508	27,252	25,823	31,658	32,055	35,949	27,683	43,830	35,958
Nonfat dry milk 2/	do	110,543	47,992	53,090	35,689	55,556	42,139	86,258	69,447	94,973	126,688	238,300
Whole dry milk 3/	do	18,401	36,729	25,790	20,203	17,111	18,449	19,653	6,710	4,872	776	645
Grains and products												
Wheat and flour 4/	1,000 bu.	270,930	249,719	400,725	325,278	426,209	551,596	467,759	574,734	378,602	365,563	269,494
Rye	do	4,400	3,397	4,887	6,912	4,460	5,894	4,574	9,577	8,075	5,269	2,625
Barley 5/	do	72,168	53,992	53,134	27,184	24,642	47,135	37,611	37,121	59,864	36,665	35,345
Oats 6/	do	9,511	6,690	2,590	6,350	26,422	14,423	20,673	13,803	3,999	3,930	2,165
Apples	do	2,136	2,438	2,224	2,758	3,240	3,218	2,870	2,619	3,415	3,492	2,886
Potstoes snd preparations	1,000 cwt.	2,305	1,834	5,401	4,553	3,682	4,643	4,132	3,969	4,094	3,552	4,505
Soybean oil cake and meal	1,000 lb.	391,977	390,884	266,516	436,134	482,682	458,658	511,513	423,627	342,120	318,407	295,123
Tobacco, unmanufactured:												
Total	do	40,710	37,199	38,068	48,642	39,309	52,475	41,500	37,852	42,909	47,377	52,370
Flue-cured	do	37,853	34,473	37,384	46,804	35,592	48,674	38,854	35,631	41,261	46,423	51,090
Cattle hides and calf skins	1,000 pieces	1,473	2,024	2,018	1,669	1,843	2,329	2,903	3,226	3,135	3,168	2,792
Oilseeds												
Flaxseed	1,000 bu.	12,562	14,508	13,854	11,515	11,537	14,844	16,100	20,199	13,920	10,959	15,905
Rapeseed	do	4,514	5,193	5,421	8,593	6,211	3,642	10,649	13,957	14,842	14,491	13,537
Alfalfa, clover, and grass seed	1,000 lb.	49,013	50,551	61,943	63,810	62,637	52,656	55,297	59,857	53,507	62,962	64,289
Tallow	do	86,010	97,734	96,910	92,736	108,233	137,872	135,564	136,308	145,791	165,888	150,910
Soybean oil	do	26,627	20,014	30,028	50,625	45,373	25,017	34,727	29,197	42,932	31,370	33,823

1/ Calendar years. 2/ Skim milk powder. 3/ Whole milk powder. 4/ Includes seed wheat and flour in terms of wheat (1 cwt. flour = 2.3 bu. wheat). 5/ Includes malt in terms of barley (1 bu. malt = 1 bu. barley). 6/ Includes seed oats, and oatmeal and rolled oats in terms of oats (1959-62, 18.2 lbs. oatmeal and rolled oats = 1 bu. oats, 1963-69, 18.3 lbs. = 1 bu.).

Sources: Wheat, rye, barley, oats, flaxseed, potatoes, apples (8, Oct.-Dec. 1963, Oct.-Dec. 1967-69; rapeseed (21, 1959, 1960) and (6, Feb. 1969-70); live animals, meats, hides, skins (18); tobacco (16, Apr.-June 1961, 1965, 1969); dairy products (7, 1962, 1963, 1966, and 1969).

Table 4.--Canada: Value of total agricultural exports, by region or country of destination, 1959-68 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 dollars									
United States	238,576	211,468	242,306	234,740	232,787	222,796	271,373	277,412	243,832	274,126
United Kingdom	316,686	294,292	271,026	278,377	299,602	309,528	310,270	288,134	275,128	252,203
EC	145,640	153,493	210,475	172,414	167,951	166,741	201,212	204,243	188,261	144,017
Belgium-Luxembourg	25,850	23,533	33,834	24,088	38,298	31,175	39,973	39,168	26,484	21,411
France	7,602	18,975	18,780	8,964	15,272	10,661	14,589	8,166	2,876	4,209
Germany	68,383	54,109	112,551	79,983	55,979	62,022	56,802	52,645	41,923	31,176
Italy	14,623	25,936	20,086	21,470	16,897	12,475	30,078	43,644	49,495	38,568
Netherlands	29,182	30,165	25,224	37,909	41,505	50,408	59,770	60,620	67,483	48,652
Other Western Europe 2/	35,546	34,218	37,381	31,603	40,012	36,882	34,233	43,807	41,794	34,558
Eastern Europe and USSR 3/	28,686	16,107	67,223	31,218	181,283	432,283	266,842	357,945	157,778	111,742
Czechoslovakia	1,353	219	11,616	719	10,663	48,821	30,392	3,517	8,990	9,375
Poland	15,613	14,394	34,654	26,694	17,223	51,699	22,406	28,971	20,386	14,083
USSR	11,322	507	13,011	864	137,659	290,156	175,961	295,522	114,967	78,479
Other	398	987	7,942	2,941	15,738	41,607	38,083	29,935	13,435	9,805
Asia and Oceania	156,237	145,604	287,027	273,764	260,532	303,786	278,817	438,756	359,042	381,982
China, Mainland	--	1,989	118,645	137,690	96,810	126,240	96,778	169,109	82,504	145,926
India	18,959	2,312	12,857	204	1,426	8,217	14,726	63,969	70,820	42,555
Japan	97,769	108,194	117,174	105,755	123,406	129,228	132,861	160,098	170,778	154,802
Other	39,509	33,109	38,351	30,115	38,890	40,101	34,452	45,580	34,940	38,699
Latin America & Caribbean 4/	71,590	59,571	65,944	68,660	76,544	116,128	121,182	115,976	96,196	91,001
Commonwealth America 5/	23,923	15,520	20,290	21,542	21,666	26,659	29,359	31,123	29,144	25,113
Cuba	11,626	4,692	10,537	6,242	10,446	38,000	43,558	53,300	35,254	39,351
Venezuela	22,208	18,346	17,655	21,917	22,797	30,277	26,959	13,515	15,373	10,877
Other	13,833	21,013	17,462	18,959	21,635	21,192	21,306	18,038	16,425	15,660
Africa	27,116	20,490	17,286	16,408	28,020	16,904	9,338	17,071	29,908	21,377
Not elsewhere specified 6/	1,765	10,527	115	24	40	43	42	42	38	20
Total agricultural exports	1,021,842	945,770	1,198,783	1,107,208	1,286,771	1,605,091	1,493,309	1,743,386	1,391,977	1,311,026
Total exports, all commodities	5,237,604	5,418,498	5,680,170	5,783,098	6,228,648	7,487,283	7,885,697	9,315,330	10,278,211	12,228,745

1/ Calendar years. 2/ All other non-Communist Europe, but not including Turkey or Cyprus. 3/ All Communist Europe including Yugoslavia. 4/ All Western Hemisphere except the United States, but including St. Pierre et Miquelon. 5/ All countries and territories in Western Hemisphere belonging to the (British) Commonwealth of Nations. 6/ Includes, particularly for 1959 and 1960, low-volume trade not classified by country in the sources.

Sources: 1959-60 (10, Dec. 1959-68), (31); 1961-67 (29); 1968 (32).

Table 5.--Canada: Percentage distribution of total agricultural exports by value, by region or country of destination, 1959-68

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
						-Percent-				
United States	23.2	22.4	20.2	21.2	18.1	13.9	18.2	15.9	17.5	20.9
United Kingdom	31.0	31.1	22.6	25.1	23.3	19.3	20.8	16.5	19.8	19.2
EC	14.3	16.2	17.6	15.6	13.1	10.4	13.5	11.7	13.5	11.0
Belgium-Luxembourg	2.5	2.5	2.8	2.2	3.0	1.9	2.7	2.2	1.9	1.6
France	.7	2.0	1.6	.8	1.2	.7	1.0	.5	.2	.3
Germany	6.7	5.7	9.4	7.2	4.4	3.9	3.8	3.0	3.0	2.4
Italy	1.4	2.7	1.7	1.9	1.3	.8	2.0	2.5	3.6	2.9
Netherlands	2.9	3.2	2.1	3.4	3.2	3.1	4.0	3.5	4.8	3.7
Other Western Europe	3.5	3.6	3.1	2.9	3.1	2.3	2.3	2.5	3.0	2.6
Eastern Europe and USSR	2.8	1.7	5.6	2.8	14.1	26.9	17.9	20.5	11.3	8.5
Czechoslovakia	.1	--	1.0	.1	.8	3.0	2.0	.2	.6	.7
Poland	1.5	1.5	2.9	2.4	1.3	3.2	1.5	1.7	1.5	1.1
USSR	1.1	.1	1.1	.1	10.7	18.1	11.8	17.0	8.3	6.0
Other	--	.1	.7	.3	1.2	2.6	2.6	1.7	1.0	.7
Asia and Oceania	15.3	15.4	23.9	24.7	20.2	18.9	18.7	25.2	25.8	29.1
China, Mainland	--	.2	9.9	12.4	7.5	7.9	6.5	9.7	5.9	11.1
India	1.9	.2	1.1	--	.1	.5	1.0	3.7	5.1	3.2
Japan	9.6	11.4	9.8	9.6	9.6	8.1	8.9	9.2	12.3	11.9
Other	3.9	3.5	3.2	2.7	3.0	2.5	2.3	2.6	2.5	3.0
Latin America and Caribbean	7.0	6.3	5.5	6.2	5.9	7.2	8.1	6.7	6.9	6.9
Commonwealth America	2.3	1.6	1.7	1.9	1.7	1.7	2.0	1.8	2.1	1.9
Cuba	1.1	.5	.9	.6	.8	2.4	2.9	3.1	2.5	3.0
Venezuela	2.2	1.9	1.5	2.0	1.8	1.9	1.8	.8	1.1	.8
Other	1.4	2.2	1.5	1.7	1.7	1.3	1.4	1.0	1.2	1.2
Africa	2.7	2.2	1.4	1.5	2.2	1.1	.6	1.0	2.1	1.6
Not elsewhere specified	.2	1.1	--	--	--	--	--	--	--	--
Total agricultural exports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agricultural percentage of total exports	19.5	17.4	21.1	19.1	20.5	21.4	18.9	18.7	13.5	10.7

Source: Calculated from data in table 4.

Table 6.--Canada: Percentage of principal agricultural commodities exported to the United States, 1959-69 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent of value										
Live animals	93.7	95.4	91.4	94.9	92.7	88.5	91.4	88.7	81.7	85.6	84.2
Cattle	94.4	96.3	95.6	95.9	95.0	90.9	92.1	90.5	81.7	86.7	85.4
Meat and preparations	80.0	72.7	77.7	74.8	71.8	71.5	76.0	75.9	74.5	77.9	78.4
Beef and veal, fresh, chilled, frozen	93.0	96.3	98.1	96.3	94.6	87.0	84.7	92.2	88.3	92.1	94.5
Pork, fresh, chilled, frozen	88.0	87.0	97.1	97.5	97.8	91.9	97.9	97.7	94.7	94.0	87.1
Pork, other products	92.8	77.8	71.2	63.3	62.2	82.7	84.6	80.8	82.1	83.7	84.0
Dairy products 2/	1.8	3.1	7.3	11.2	12.5	5.1	12.4	15.4	11.7	10.1	12.5
Cheese	3.2	5.2	4.9	3.5	3.7	3.6	2.7	4.0	5.7	4.8	10.2
Nonfat dry milk	.9	.8	1.5	.7	1.3	.2	.3	1.0	.5	1.6	1.1
Wheat and wheat flour 3/	3.0	3.2	2.3	2.3	1.9	.8	.4	.3	.2	.2	.5
Coarse grains and products 4/	30.6	30.1	35.3	28.1	29.7	24.8	19.4	18.8	15.3	21.4	27.1
Rye	81.1	85.2	22.3	15.2	17.7	31.0	31.6	20.5	11.1	11.0	18.3
Barley 5/	26.0	28.0	39.9	30.4	40.7	25.3	19.6	18.3	12.9	20.7	26.0
Oats 6/	24.5	23.5	28.9	30.9	17.0	18.7	15.5	21.5	58.3	41.6	61.3
Fruits, nuts and preparations	56.2	58.5	48.8	41.7	61.9	52.0	46.9	52.2	55.0	70.1	71.5
Apples, fresh	45.1	42.8	42.6	43.8	58.0	36.9	29.3	25.9	47.0	69.0	67.3
Vegetables and preparations 7/	46.2	26.3	39.3	27.0	23.0	32.7	36.7	23.0	26.5	27.3	24.2
Potatoes	36.7	28.9	37.7	20.0	29.7	46.4	61.8	33.2	39.1	34.3	32.5
Animal feeds 8/	82.4	62.4	68.0	60.0	71.7	64.6	56.6	52.7	52.9	58.4	61.5
Oilseed products 9/	1.7	.5	2.2	1.2	.5	.6	1.3	.1	.6	.9	2.4
Soybean	--	--	--	--	--	--	.1	--	--	--	.1
Tobacco, unmanufactured	1.2	1.8	.5	2.7	.8	.7	1.4	1.0	1.2	1.5	.7
Flue-cured	1.1	1.8	.5	2.6	.7	.5	1.3	.9	1.0	1.4	.5
Cattle hides and calf skins	41.1	22.0	21.8	26.9	26.6	20.1	18.0	8.6	12.2	23.4	23.2

See end of table for footnote references.

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Table 6.--Canada: Percentage of principal agricultural commodities exported to the United States, 1959-69 1/--Continued

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent of value										
Oilseeds 10/	1.8	2.1	2.4	2.7	3.4	2.6	2.1	3.7	5.1	5.3	5.0
Flaxseed	--	--	--	--	--	--	--	--	--	--	--
Rapeseed	--	--	.2	.3	.2	3.3	.1	.1	.1	.8	.2
Alfalfa, clover, and grass seeds	69.1	65.8	81.3	73.7	63.9	57.9	50.8	54.5	60.1	70.3	79.1
Tallow	8.0	2.5	1.3	1.1	.2	.3	.2	.7	1.6	4.1	7.5
Total agricultural exports	21.8	17.7	16.2	17.0	13.6	11.0	15.7	13.8	14.4	17.3	n.a.
Total exports, all commodities	61.4	55.8	54.0	58.4	55.4	52.8	56.8	59.9	63.7	67.3	70.7

1/ Calendar years.
2/ Includes casein.
3/ Includes bagged seed wheat.
4/ Barley, oats, rye, corn (including cornmeal), and buckwheat.
5/ Includes malt.
6/ Includes rolled oats and oatmeal.
7/ Includes dried peas, dry beans, and seed.
8/ Includes bran shorts, middling, hulls, screenings, chaff, scourings, chopped oats, oat byproducts, mixed feed oats with scalpings, hay, clover, straw, complete feeds, feed concentrates, and pet food. Does not include oilseed cake or meal.
9/ Includes cake, meal and oil of soybeans, flaxseed, rapeseed, and mustard seed.
10/ Mainly includes mustard seed, but also includes soybeans, flaxseed, rapeseed and sunflower seed.

Source: Calculated from (10, Dec. 1959-69).

Table 7.--Canada: Volume of exports of wheat and flour combined 1/, by region or country of destination, 1959-68 2/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
United States	3,627	3,859	2,863	2,475	1,975	1,048	1,618	748	588	480
United Kingdom	93,578	91,773	85,959	89,623	90,832	80,148	78,505	73,134	64,953	58,223
EC	51,245	76,815	64,128	54,697	64,944	49,073	48,168	50,315	43,566	45,758
Belgium-Luxembourg	10,893	12,365	11,650	10,149	15,709	15,672	10,787	13,863	9,973	7,559
France	5,470	9,903	1,036	6,877	4,884	5,553	2,775	1,748	856	4,383
Germany	24,875	32,979	43,945	27,997	37,277	20,509	22,900	22,582	17,547	12,805
Italy	2,153	14,937	3,897	4,920	3,875	3,922	7,680	9,485	10,173	15,216
Netherlands	7,854	6,631	3,599	4,754	3,200	3,418	4,027	2,637	5,017	5,796
Other Western Europe	19,485	18,479	17,599	12,960	16,096	10,949	14,698	12,194	8,187	9,490
Ireland	1,305	3,413	2,318	3,470	2,235	2,224	1,371	1,729	1,437	987
Norway	3,714	4,313	1,731	1,827	1,703	1,601	1,990	1,548	1,707	588
Switzerland	7,759	7,316	8,033	2,969	8,072	3,919	8,110	4,890	2,596	5,683
Other	6,707	3,437	5,517	4,694	4,086	3,204	3,227	4,027	2,447	2,232
Eastern Europe and USSR	4,872	29,617	22,436	22,498	270,671	80,258	234,759	123,699	63,493	9,180
Czechoslovakia	--	12,139	--	4,394	28,662	26,245	7,547	4,202	4,400	--
East Germany	--	1,918	8,040	--	14,473	10,522	8,070	4,461	--	--
Poland	4,872	5,694	12,294	14,184	16,767	18,899	13,296	13,783	5,755	3,415
USSR	--	7,511	--	--	184,348	10,199	201,606	93,232	49,031	1,735
Other	--	2,355	2,102	3,920	26,421	14,393	4,240	8,021	4,307	4,030
Asia and Oceania	69,311	106,725	137,857	115,313	107,987	136,423	164,070	208,089	122,748	151,313
China, Mainland	--	34,700	71,978	56,444	41,286	62,370	74,024	90,460	52,013	81,972
India	4,773	3,955	3,554	704	721	7,266	27,473	43,585	22,475	15,307
Japan	46,823	55,630	49,124	44,625	49,812	50,172	49,562	60,244	40,850	43,278
Pakistan	2,176	2,099	1,856	362	355	3,199	672	7,573	876	2,754
Philippines	6,222	3,621	4,946	6,572	7,308	6,483	2,562	515	928	3
Other	9,317	6,720	6,399	6,606	8,505	6,933	9,777	5,712	5,606	7,999
Latin America and Caribbean	16,925	14,409	15,437	17,163	33,308	33,716	38,913	31,407	25,773	22,444
Commonwealth America	5,630	4,794	4,606	4,175	4,879	4,926	4,897	4,258	3,979	3,755
Cuba	171	808	--	--	14,810	14,745	23,377	19,517	17,745	14,223
Venezuela	3,526	2,695	4,747	6,679	7,904	9,123	6,324	4,978	3,140	3,033
Other	7,598	6,112	6,048	6,309	5,715	6,922	4,315	2,654	909	1,433
Africa	12,645	4,956	8,427	12,632	5,823	4,668	3,382	15,002	6,051	8,277
Republic of South Africa	6,722	--	504	7,883	3,038	945	--	9,433	908	--
Other	5,923	4,956	7,923	4,749	2,785	3,723	3,382	5,569	5,143	8,277
Bagged seed wheat	5,604	6,616	3,317	4,007	2,912	1,312	793	719	651	568
Total	277,291	353,249	358,022	331,367	594,548	399,594	584,906	515,307	336,010	305,731

1/ Flour in terms of wheat, 1 cwt. of flour = 2.3 bu. of wheat.
2/ Years beginning August 1.

Sources: (23) and (20, Nov. 1969).

Table 8.--Canada: Volume of exports of durum wheat, other wheat, and flour, 1/ by region or country of destination, 1959-68 2/

Commodity and destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
					1,000 bushels					
Wheat, excl. durum:										
United States	2,088	2,519	1,487	1,169	1,026	--	736	155	584	--
United Kingdom	79,391	77,896	73,342	77,241	78,730	70,139	69,474	67,099	61,706	55,328
EC	33,007	41,278	59,022	37,629	53,196	36,490	37,021	38,012	36,926	32,350
Belgium-Luxembourg	8,958	10,300	10,900	9,612	14,923	14,280	9,781	13,129	9,426	7,360
France	153	1,882	431	406	2,186	2,428	1,879	1,258	764	2,097
Germany	15,654	21,349	40,351	17,947	29,289	12,826	14,804	13,493	13,926	8,232
Italy	448	1,475	3,853	4,915	3,758	3,894	7,049	7,588	8,917	9,335
Netherlands	7,794	6,272	3,487	4,749	3,040	3,064	3,507	2,543	3,892	5,326
Other Western Europe	16,768	13,307	15,815	10,233	12,591	7,591	9,866	8,330	5,507	5,898
Ireland	1,305	3,408	2,318	3,463	2,235	2,211	1,345	1,726	1,417	984
Norway	3,714	3,301	1,729	1,828	1,703	1,601	1,990	1,548	1,707	588
Switzerland	7,759	3,896	6,555	1,122	5,482	1,358	4,047	1,889	753	2,997
Other	3,990	2,702	5,213	3,820	3,171	2,421	2,484	3,167	1,630	1,329
Eastern Europe and USSR	4,872	28,912	22,436	22,498	238,862	72,680	217,055	114,499	60,702	9,033
Czechoslovakia	--	11,434	--	4,394	28,662	26,245	6,451	3,269	3,293	--
East Germany	--	1,918	8,040	--	10,522	10,136	8,070	4,461	--	--
Poland	4,872	5,694	12,294	14,184	18,899	11,452	10,736	11,349	4,498	3,268
USSR	--	7,511	--	--	152,540	8,844	188,505	88,736	48,604	1,735
Other	--	2,355	2,102	3,920	28,239	16,003	3,293	6,684	1,864	4,030
Asia and Oceania	59,522	98,663	132,142	112,096	104,360	121,712	156,728	203,370	119,738	147,736
China, Mainland	--	34,700	71,978	56,444	41,286	50,399	71,190	90,050	52,013	81,972
India	4,773	3,955	3,541	704	721	7,266	25,945	41,961	22,395	15,307
Japan	45,670	53,997	48,043	44,109	49,726	50,079	49,383	59,854	40,487	42,600
Pakistan	2,157	2,099	1,856	362	355	3,199	672	7,573	876	2,754
Philippines	1,475	987	3,855	6,741	7,301	6,482	2,562	515	928	--
Other	5,447	2,925	2,869	3,736	4,971	4,287	6,976	3,417	3,039	5,103
Latin America and Caribbean	8,236	6,676	8,081	10,414	19,409	22,360	20,300	13,517	9,871	7,020
Commonwealth America	--	--	--	11	10	12	139	11	460	1,402
Cuba	2	5	--	--	7,454	8,121	11,395	7,080	5,777	1,712
Venezuela	3,519	2,658	4,736	6,677	7,904	9,122	6,324	4,931	3,056	3,030
Other	4,715	4,013	3,345	3,726	4,041	5,105	2,442	1,495	578	876
Africa	6,996	510	3,298	9,130	3,818	1,631	967	11,140	3,030	4,552
Republic of South Africa	6,722	--	504	7,883	3,038	945	--	9,433	902	--
Other	274	510	2,794	1,247	780	686	967	1,607	2,128	4,552
Total wheat, excl. durum	210,877	269,761	315,622	280,409	511,991	332,605	512,146	456,122	297,481	261,917

See end of table for footnote references.

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Table 8.--Canada: Volume of exports of durum wheat, other wheat, and flour, 1/ by region or country of destination, 1959-68 2/ --Continued

Commodity and destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
Durum wheat:										
United States	--	--	--	--	--	--	--	--	--	--
United Kingdom	560	721	362	254	225	252	397	649	359	384
EC	18,074	35,330	4,889	16,884	11,529	12,424	11,004	12,194	6,503	13,276
Belgium-Luxembourg	1,775	1,868	558	369	573	1,248	887	652	449	91
France	5,317	8,021	605	6,471	2,698	3,125	896	490	92	2,286
Germany	9,220	11,630	3,590	10,044	7,988	7,683	8,096	9,089	3,621	4,573
Italy	1,705	13,458	25	--	116	21	616	1,880	1,234	5,862
Netherlands	57	353	110	--	154	364	510	83	1,108	465
Other Western Europe	2,602	4,026	1,627	2,548	3,336	3,204	4,721	3,642	2,503	3,455
Austria	566	466	149	682	335	578	613	606	638	768
Switzerland	1,620	3,420	1,478	1,839	2,590	2,561	4,063	3,001	1,843	2,687
Other	416	140	--	127	411	65	45	35	22	--
Eastern Europe and USSR	--	705	--	--	9,634	6,222	14,540	9,200	2,791	147
Poland	--	--	--	--	--	5,314	2,560	2,434	1,257	147
USSR	--	--	--	--	9,634	--	9,937	4,496	427	--
Other	--	705	--	--	--	908	2,043	2,270	1,107	--
Asia and Oceania	332	--	--	--	--	12,018	3,179	795	356	669
China, Mainland	--	--	--	--	--	11,971	2,834	410	--	--
Japan	--	--	--	--	--	46	174	385	356	669
Other	332	--	--	--	--	--	172	--	--	--
Latin America and Caribbean	--	--	--	--	--	17	--	135	212	2
Africa	2,272	409	253	--	11	--	--	--	462	692
Algeria	2,255	373	--	--	--	--	--	--	--	--
Tunisia	--	1	190	--	--	--	--	--	462	692
Other	17	35	26	--	11	--	--	--	--	--
Total durum wheat	23,840	41,191	7,130	19,686	24,735	34,135	33,842	26,615	13,184	18,624
Wheat flour:										
United States	1,539	1,340	1,376	1,306	949	1,048	882	593	4	480
United Kingdom	13,628	13,157	12,254	12,127	11,877	9,757	8,634	5,387	2,888	2,511
EC	164	207	217	184	220	159	144	109	137	133
Other Western Europe	115	1,146	158	180	169	155	111	221	177	137
Eastern Europe and USSR	--	--	--	--	22,175	1,355	3,164	--	--	--

--Continued

Table 8.--Canada: Volume of exports of durum wheat, other wheat, and flour, 1/ by region or country of destination, 1959-68 2/ --Continued

Commodity and destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
					1,000 bushels					
Asia and Oceania	9,458	8,063	5,716	3,217	3,628	2,693	4,163	3,924	2,655	2,909
Ceylon	641	567	384	1	1,069	587	898	1,049	860	858
Japan	1,154	1,633	1,081	516	85	47	5	5	7	9
Philippines	4,747	2,634	1,091	11	8	1	--	--	--	3
Other	2,916	3,229	3,160	2,679	2,466	2,058	3,260	2,870	1,788	2,039
Latin America and Caribbean	8,690	7,733	7,356	6,749	13,898	13,339	18,613	17,755	15,690	15,421
Commonwealth America	5,630	4,793	4,606	4,163	4,827	4,914	4,757	4,245	3,519	2,352
Other	2,891	2,137	2,750	2,586	1,715	1,800	1,874	1,161	333	558
Africa	3,377	4,036	4,876	3,503	1,995	3,037	2,415	3,863	2,559	3,032
Ghana	1,736	2,219	1,956	1,798	1,060	1,741	876	1,279	1,486	1,317
Other	1,641	1,817	2,920	1,705	935	1,296	1,539	2,584	1,073	1,715
Total wheat flour	36,970	35,682	31,953	27,265	54,910	31,542	38,125	31,851	24,150	24,623
Bagged seed wheat 3/	5,604	6,616	3,317	4,007	2,912	1,312	793	719	651	568
Total wheat and flour	277,291	353,249	358,022	331,367	594,548	399,594	584,906	515,307	336,010	305,731

1/ Flour expressed in terms of wheat, 1 cwt. of flour = 2.3 bu. wheat. Flour exports adjusted to remove the effect of time lag. 2/ Years beginning August 1. 3/ Adjusted to remove effect of time lag. Bulk of seed wheat exports went to the United States; Saudi Arabia was second largest buyer.

Sources: (23, 1959-60, 1964-65, 1966-67), (12, Nov. 1968, 1969), and (1, 1968-69).

Table 9.--Canada: Volume of barley and malt 1/ exports, by region or country of destination, 1959-68 2/

Commodity and destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
Barley:										
United States	13,526	12,046	9,726	2,233	8,675	7,738	4,704	7,372	4,372	7,677
United Kingdom	30,137	8,686	7,391	6,803	9,546	9,832	4,733	9,316	1,943	10,879
EC	6,210	212	70	--	170	2,418	13,716	16,469	9,602	--
Italy	337	48	--	--	--	2,418	11,909	12,206	9,567	--
Other	5,873	164	70	--	170	--	1,807	4,263	35	--
Other Western Europe	1,185	159	--	415	171	1,065	1,273	6,070	--	500
Eastern Europe and USSR	5,302	--	--	--	3,022	--	--	786	--	--
Asia and Oceania	1,145	20,360	19,284	1,083	19,756	11,532	9,132	13,025	19,707	2,154
China, Mainland	--	20,360	19,284	1,083	14,694	2,005	--	--	--	--
Japan	--	--	--	--	3,654	8,854	6,080	10,493	15,448	772
Israel	--	--	--	--	--	628	3,019	2,532	2,954	1,266
Other	1,145	--	--	--	1,408	45	33	--	1,305	116
Latin America and Caribbean	184	69	184	--	185	153	163	83	459	--
Africa	5	--	--	--	--	--	--	--	--	--
Total barley	57,693	41,533	36,665	10,534	41,526	32,738	33,720	53,121	36,083	21,210
Malt:										
United States	3,393	3,718	4,478	3,075	2,879	1,731	1,207	1,224	1,393	1,191
United Kingdom	--	--	4	--	12	140	613	823	409	--
EC	--	1	--	--	--	--	--	--	--	--
Other Western Europe	--	--	--	--	6	--	--	--	--	--
Eastern Europe and USSR	--	--	--	--	--	--	--	--	--	--

See end of table for footnote references.

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Table 9.--Canada: Volume of barley and malt 1/ exports, by region or country of destination, 1959-68 2/--Continued

Commodity and destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
Asia and Oceania. . .	280	352	573	446	753	761	629	1,072	1,326	1,903
Japan	--	--	122	--	49	50	153	398	669	1,140
Philippines	213	296	379	391	620	604	383	587	626	720
Other	67	56	72	55	182	107	93	87	31	43
Latin America and Caribbean.	2,309	1,408	1,127	1,261	1,541	1,624	1,777	2,266	2,169	2,082
Africa.	84	165	73	61	217	24	83	36	25	20
Total malt. . . .	6,064	5,645	6,254	4,843	5,409	4,280	4,309	5,420	5,322	5,196
Pot and pearl barley 3/	2	--	--	--	--	14	--	--	n.a.	n.a.
Total barley and products	63,759	47,178	42,909	15,377	46,935	37,032	38,029	58,542	41,405	26,406

1/ Malt in terms of barley, 1 bu. barley (48 lb.) = 1 bu. malt (36) lb.
2/ Years beginning August 1.
3/ Pot and pearl barley in terms of barley, 1 bu. barley = 23.3 lb. pot and pearl barley (1959-62); 18.9 lb. pot and pearl barley (1963-68).

Sources: (23, 1959-66) and (6, Aug. 1969).

Table 10.--Canada: Volume of oat exports, by region or country of destination, 1959-68 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
United States	1,104	817	952	2,496	1,574	2,545	1,125	1,424	1,342	928
United Kingdom	595	712	1,564	1,592	1,218	851	638	294	306	139
EC	3,892	233	52	15,185	12,757	10,866	12,635	1,661	483	415
Belgium-Luxembourg	415	149	--	3,432	1,170	514	531	198	--	61
France	--	--	--	123	98	--	--	--	--	--
Germany	2,227	--	--	3,333	1,791	3,981	6,751	--	--	--
Italy	--	--	--	920	1,290	1,170	495	--	--	--
Netherlands	1,250	84	52	7,377	8,410	5,201	4,857	1,463	483	354
Other Western Europe	--	129	107	731	1,111	425	748	354	316	435
Eastern Europe and USSR	--	--	--	--	--	--	--	--	--	--
Asia and Oceania	--	--	--	50	21	--	85	62	684	--
Latin America and Caribbean	34	27	4	14	12	34	22	4	--	--
Africa	--	--	--	517	839	7	--	--	--	336
Total oats	5,624	1,919	2,679	20,586	17,532	14,727	15,252	3,799	3,131	2,252
Oatmeal and rolled oats 2/	452	440	455	625	711	435	401	287	95	79
Bagged seed oats	--	321	321	489	516	389	268	717	318	392
Total oats and products	6,077	2,680	3,454	21,700	18,759	15,551	15,922	4,803	3,449	2,644

1/ Years beginning August 1.
2/ In terms of oats, 1 bu. oats = 18.2 lb. of oatmeal and rolled oats (1959-62), and 18.3 lb. of oatmeal and rolled oats (1963-68).

Sources: (23, 1959-66) (6, Aug. 1969).

Table 11.--Canada: Volume of flaxseed exports, by region or country of destination, 1959-68 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
United States	--	--	--	--	--	--	--	--	--	--
United Kingdom	5,293	7,302	4,643	5,061	4,545	4,776	5,119	3,546	2,605	2,213
EC	3,567	897	3,229	2,762	3,355	3,790	7,203	6,099	3,713	4,345
Belgium-Luxembourg	619	97	694	408	334	462	923	171	98	511
France	618	163	800	519	681	346	484	214	350	124
Germany	708	404	277	839	865	903	2,033	1,546	851	1,371
Italy	103	33	40	40	--	38	31	63	35	114
Netherlands	1,519	200	1,418	956	1,476	2,039	3,732	4,106	2,379	2,225
Other Western Europe	924	1,107	868	629	1,223	927	1,386	1,343	1,185	1,112
Norway	320	57	265	288	248	259	368	272	216	152
Spain	78	705	322	56	490	454	932	924	708	557
Other	476	345	281	285	485	214	86	147	261	383
Eastern Europe and USSR	--	235	108	152	561	651	608	785	590	399
Asia and Oceania	2,710	4,063	3,140	3,881	3,954	4,202	4,620	4,769	4,374	5,352
Japan	2,682	4,039	3,120	3,785	3,830	4,051	4,308	4,745	3,801	4,885
Other	28	24	20	96	124	151	312	24	573	467
Latin America and Caribbean	--	--	--	--	--	--	--	--	--	--
Africa	--	--	--	--	--	--	--	25	144	1
Total	12,494	13,603	11,988	12,566	13,638	14,346	18,936	16,568	12,611	13,421

1/ Years beginning August 1.

Sources: (23, 1959-68) and (6, Aug. 1969).

Table 12.--Canada: Volume of rapeseed exports, by region or country of destination, 1959-68 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
United States	--	14	2	39	126	2	6	5	30	98
United Kingdom	31	169	146	73	92	326	162	158	--	--
EC	145	5,687	4,984	2,104	355	3,160	5,684	4,517	631	391
Belgium-Luxembourg	7	311	108	158	--	68	335	--	--	--
France	--	975	342		--			322	--	--
Germany	--	607	226	215	--	624	1,075	68	--	64
Italy	128	2,949	3,320	1,358	189	1,462	2,804	3,163	324	184
Netherlands	10	845	988	372	167	1,007	1 470	964	307	143
Other Western Europe	--	--	--	--	90	--	--	--	--	--
Eastern Europe	--	--	--	--	--	1,004	--	--	--	--
Asia and Oceania	2,289	877	1,231	3,080	4,645	4,783	7,779	8,569	11,648	12,708
Japan	2,289	877	1,231	3,080	4,436	3,724	6,986	8,404	10,197	10,909
Other	--	--	--	--	209	1,059	793	165	1,451	1,799
Latin America & Caribbean	--	--	--	--	--	--	--	--	--	--
Africa	472	1,342	556	414	--	--	--	568	--	1,115
Total	2,937	8,089	6,919	5,710	5,308	9,276	13,632	13,818	12,309	14,311

1/ Years beginning August 1.

Sources: (23, 1959-68) and (6, Feb. 1969).

Table 13.--Canada: Volume of flue-cured tobacco exports, by region or country of destination, 1959-69 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
						1,000 pounds					
United States	822	1,372	336	1,489	423	548	701	392	816	1,556	1,068
United Kingdom	29,039	28,569	33,632	34,467	27,814	33,756	32,536	30,475	34,971	40,262	44,628
EC	3,012	1,568	993	7,074	4,016	4,906	1,279	1,398	1,437	946	1,202
Other Western Europe	1,415	154	396	608	1,557	2,126	1,209	956	1,854	1,407	2,587
Eastern Europe and USSR	--	--	--	--	--	3,712	--	--	--	--	--
Asia, Oceania, and Africa	147	85	639	1,211	1,127	2,934	2,420	922	531	880	838
Latin America and Caribbean	3,418	2,724	1,388	1,955	655	690	709	1,488	1,651	1,372	767
Commonwealth America	3,368	2,701	1,387	1,955	655	666	664	1,424	1,518	1,321	767
Other	50	23	1	--	--	24	45	64	133	51	--
Total	37,853	34,473	37,384	46,804	35,592	48,674	38,854	35,631	41,261	46,423	51,090

1/ Calendar years.

Source: (10, Dec. 1959-69).

Table 14.--Canada: Volume of cattle hide and calf skin exports, by region or country of destination, 1959-69 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 pieces										
United States	629	590	502	543	596	671	671	396	589	864	759
United Kingdom	97	107	159	44	43	128	179	94	47	142	75
EC	498	784	760	590	526	794	1,059	1,043	817	957	761
Germany	153	281	296	232	169	284	363	346	333	405	349
Italy	64	72	96	44	28	55	120	64	173	128	106
Netherlands	273	387	352	307	328	438	554	613	299	395	281
Other	8	44	16	7	1	17	22	20	12	29	25
Other Western Europe	20	76	94	38	105	154	134	164	218	245	202
Eastern Europe and USSR	94	130	127	117	157	133	352	896	995	495	373
USSR	--	43	12	75	71	12	124	288	497	154	84
Other	94	87	115	42	86	121	228	608	498	341	289
Asia and Oceania	119	325	369	330	406	392	501	618	426	439	607
Japan	99	284	341	320	382	370	473	597	397	346	530
Other	20	41	28	10	24	22	28	21	27	93	77
Latin America and Caribbean	15	14	6	6	13	58	8	14	31	16	9
Africa	--	--	--	--	--	--	--	2	11	11	6
Total	1,473	2,024	2,018	1,669	1,843	2,329	2,903	3,226	3,135	3,168	2,792

1/ Calendar years.

Source: (10 Dec. 1959-69).

Table 15.--Canada: Volume of nonfat dry milk exports, by region or country of destination, 1959-69 1/

Destination	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 pounds										
United States	967	451	651	251	650	69	320	668	391	1,561	1,304
United Kingdom	33	--	--	--	--	950	1,745	--	--	--	1
EC	50,103	12,390	27,527	7,455	13,159	9,496	40,593	16,491	29,184	39,784	35,894
Belgium-Luxembourg	21,899	3,217	1,473	--	2,291	243	56	15	248	21,388	25,659
Italy	3,270	4,689	21,260	7,305	2,620	6,541	10,681	6,588	8,764	12,329	6,670
Netherlands	16,140	2,681	4,794	150	8,248	2,712	29,856	9,668	18,401	6,067	3,565
France and Germany	8,079	1,803	--	--	--	--	--	220	1,777	--	--
Other Western Europe	22,470	7,045	2,549	5,194	10,950	1,132	1,448	440	2	15,413	22,886
Denmark	22,161	5,652	358	1,766	4,991	50	220	--	2	8,240	1,608
Spain	--	--	--	469	3,569	2	752	--	--	6,059	18,505
Switzerland	--	322	1,853	2,190	1,323	106	29[illegible]	440	--	--	668
Other	309	1,071	338	769	1,067	974	181	--	--	1,114	2,105
Eastern Europe and USSR	300	700	--	--	--	1,323	182	268	--	3,304	6,499
Asia and Oceania	20,304	9,226	4,747	2,625	5,283	392	817	33,154	30,200	12,732	35,419
India	12,048	11	--	332	141	--	219	3,836	22,372	2,928	4,350
Japan	358	5,742	2,937	628	1,053	--	--	28,193	6,924	--	10,316
West Asian countries	3,058	1,640	1,205	575	1,574	224	432	545	585	7,943	6,782
Other	4,840	1,833	605	1,090	2,515	168	166	580	319	1,861	13,971
Latin America and Caribbean	12,808	16,453	16,991	19,917	22,251	28,168	38,273	17,765	33,293	51,090	126,876
Commonwealth America	3,795	1,978	3,084	5,203	6,131	5,643	4,996	5,286	8,106	8,156	6,788
Cuba	--	--	9,480	10,881	11,628	17,733	25,377	4,409	10,644	33,134	57,765
Mexico	1,218	4,351	260	219	221	222	--	1,405	5,753	1,585	49,564
Venezuela	2,179	4,276	2,290	2,608	2,509	3,810	7,102	4,828	6,904	6,778	9,093
Other	5,616	5,848	1,877	1,006	1,762	760	798	1,837	1,886	1,437	3,666
Africa	3,559	1,728	627	249	3,265	608	2,878	663	1,900	2,805	9,424
Total	110,543	47,992	53,090	35,689	55,556	42,139	86,258	69,447	94,973	126,688	238,301

1/ Calendar years.

Source: (10, Dec. 1959-69).

Table 16.--United States: Value of principal agricultural imports from Canada, 1959-68 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 dollars									
Live animals	54,533	39,099	60,686	63,902	37,111	28,152	69,747	65,342	31,794	46,064
Cattle	52,052	37,414	59,360	62,387	34,956	26,555	67,486	61,993	27,292	41,190
Other	2,481	1,685	1,326	1,515	2,155	1,597	2,261	3,349	4,502	4,874
Meat and preparations	34,863	28,818	31,945	30,634	29,267	33,760	53,047	49,154	38,674	47,496
Beef and veal, fresh and frozen	8,932	6,938	9,827	7,152	6,283	9,598	23,312	22,143	11,194	19,380
Pork, fresh and frozen	15,808	13,963	13,940	14,518	13,428	14,169	18,236	17,483	19,165	19,657
Pork, other products	9,571	6,634	7,025	6,989	8,016	8,870	9,940	7,360	6,406	6,105
Other	552	283	1,153	1,975	1,540	1,123	1,559	2,168	1,909	2,354
Wheat	9,911	10,255	10,105	6,749	7,885	4,279	1,423	1,210	626	746
Barley	16,894	14,103	15,819	5,814	7,821	11,750	8,115	7,998	8,173	7,729
Malt	6,546	7,379	7,395	8,466	5,005	4,505	2,357	1,993	2,394	2,366
Bakery goods 2/	1,970	2,213	2,017	2,653	3,087	3,562	5,461	8,363	9,071	10,429
Fruits, nuts and preparations	6,700	8,083	6,826	6,989	12,418	10,819	9,069	11,125	15,274	19,338
Apples	3,038	3,469	3,727	4,220	5,671	3,849	2,790	2,313	5,891	10,102
Blueberries, fresh, frozen and preparations	1,900	2,368	1,477	1,325	2,851	2,479	3,012	4,118	2,862	2,873
Other	1,762	2,246	1,622	1,444	3,896	4,491	3,267	4,694	6,521	6,363
Vegetables and preparations	6,278	6,273	6,795	6,993	6,022	11,658	13,212	9,828	12,285	10,277
Carrots	333	801	904	1,093	1,301	1,597	1,107	1,298	2,233	1,682
Potatoes	2,441	1,642	1,916	2,133	1,844	6,288	8,651	5,333	5,465	3,777
Turnips or rutabagas	2,602	2,464	2,477	1,790	1,681	2,056	2,018	1,779	2,052	2,685
Other	902	1,366	1,498	1,977	1,196	1,717	1,436	1,418	2,535	2,133
Maple sugar and sirup	4,939	5,274	5,606	4,894	6,001	4,848	5,341	6,039	6,354	6,042
Animal feeds 3/	12,747	10,141	10,611	9,974	14,779	16,455	14,587	15,897	15,806	15,885
Ale, beer, porter, and stout	4,943	4,986	4,801	4,834	4,745	4,376	4,484	4,779	4,282	3,568
Hides and skins	6,676	4,641	4,420	4,268	3,657	3,818	5,030	4,909	4,214	5,835
Cattle and calf	5,763	3,243	3,227	3,245	2,619	2,384	3,309	2,540	2,613	4,419
Other	913	1,398	1,193	1,023	1,038	1,434	1,721	2,369	1,601	1,416
Oilseeds	1,809	1,956	1,802	1,966	1,912	1,433	2,001	4,308	4,797	4,313
Mustard seed	1,227	1,407	1,057	669	1,063	955	1,493	3,114	4,192	3,954
Other	582	549	745	1,297	849	478	508	1,194	605	359
Grass and clover seeds	5,557	5,556	7,063	8,162	7,235	6,514	6,678	5,843	5,287	6,558
Crude drugs	1,849	1,760	1,821	2,163	2,267	2,748	3,058	5,123	10,344	10,540
Other agricultural imports	19,407	16,948	16,127	19,815	25,584	27,167	30,618	38,249	31,640	29,057
Total agricultural imports	195,622	167,481	193,839	188,276	174,796	175,844	234,228	240,160	201,015	226,243
Nonagricultural imports	2,838,825	2,744,711	2,889,530	3,457,800	3,651,039	4,050,884	4,579,142	5,866,249	6,904,947	8,698,957
Total imports	3,034,447	2,912,192	3,083,369	3,646,076	3,825,835	4,226,728	4,813,370	6,106,409	7,105,962	8,925,200

1/ Calendar years. 2/ Includes biscuits, cakes, wafers, etc.; bread crumbs; and macaroni. 3/ Includes malt sprouts; meat for animal feeds; screenings, shorts, hulls, etc.; other animal feeds not elsewhere specified. Sources: 1959 (33); 1960-68 (35).

Table 17.--United States: Volume of principal agricultural imports from Canada, 1959-68 1/

Commodity	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Cattle	1,000 head	343	271	500	498	266	216	593	516	251	337
Meat and preparations											
Beef and veal	1,000 lb.	22,319	18,712	32,094	19,108	21,012	28,147	69,768	55,371	25,551	45,281
Pork, fresh and frozen	do	48,037	38,225	36,351	38,385	35,797	39,046	44,073	39,633	47,318	48,252
Pork, other products	do	11,041	9,073	8,302	8,436	10,107	11,576	12,288	7,835	7,524	7,248
Wheat	1,000 bu.	6,308	6,183	6,079	4,040	4,026	2,000	697	582	295	370
Barley	do	12,915	10,941	12,394	4,060	6,160	8,951	5,954	5,755	6,059	6,361
Malt	do	3,126	3,803	3,800	4,125	2,742	2,564	1,353	1,125	1,333	1,361
Fruit, nuts and preparations											
Apples	do	1,028	850	918	1,225	958	1,200	697	626	1,656	2,217
Blueberries, fresh, frozen and preparations	1,000 lb.	11,184	13,437	9,359	9,296	18,212	12,592	11,933	19,750	18,554	14,472
Vegetables and preparations											
Carrots	do	12,120	22,467	29,581	31,926	38,782	47,889	36,280	42,320	55,404	46,475
Potatoes	1,000 cwt.	920	513	705	1,079	729	2,733	2,473	1,813	2,054	1,533
Turnips or rutabagas	1,000 lb.	101,065	93,079	96,773	88,344	82,163	99,521	85,768	79,727	79,461	95,192
Cattle hides and calf skins 2/	1,000 pieces	n.a.	643	537	566	664	654	620	388	523	769
Mustard seed	1,000 lb.	21,042	21,743	14,088	9,625	17,603	16,542	24,510	50,261	62,737	53,675
Grass and clover seeds	do	32,211	30,493	46,269	45,639	39,367	31,969	27,749	32,666	32,914	44,674

1/ Calendar years.
2/ Does not include cattle hides which were reported in pounds only.

Sources: 1959 (33); 1962-68 (35).

Table 18.--United States: Value of principal agricultural exports to Canada, 1959-68 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 dollars									
Live animals	10,766	7,139	6,780	5,513	7,167	13,418	5,928	8,584	14,889	9,893
Cattle	8,993	1,968	1,485	1,061	1,288	7,259	1,462	3,075	8,510	2,887
Poultry	1,372	2,467	2,579	2,427	3,321	3,478	3,563	3,875	4,501	4,890
Other	401	2,704	2,716	2,025	2,556	2,411	903	1,634	1,878	2,116
Meat and preparations	13,819	22,967	26,965	23,470	33,500	25,500	19,283	25,107	26,207	27,069
Beef & veal, all prod. excl.offals	6,080	6,506	6,921	7,120	5,646	6,351	5,136	7,274	9,911	6,925
Pork, all prod. excl. offals	468	4,851	10,744	9,410	22,683	13,698	8,773	10,914	9,224	13,062
Other	7,271	11,610	9,300	6,940	5,171	5,451	5,374	6,919	7,072	7,082
Eggs	2,563	1,786	3,292	2,301	4,822	2,655	3,219	6,955	6,192	6,638
Corn and corn seed 2/ 3/	28,067	15,532	24,024	35,887	23,788	25,754	15,849	34,274	35,287	38,315
Rice, milled equivalent	2,211	2,335	2,776	7,274	8,336	7,592	9,598	8,214	9,344	10,088
Fruits, nuts and preparations	112,405	114,431	118,109	109,487	114,085	112,590	121,022	124,815	126,514	129,743
Apples	2,629	3,388	3,614	3,001	2,588	2,954	3,529	3,514	2,946	3,663
Citrus 4/	33,397	31,845	32,445	31,287	30.674	34,354	34,504	38,732	40,974	37,993
Grapes	11,191	11,176	12,252	12,898	13,847	14,708	17,361	17,283	19,502	18,697
Citrus juices 5/	20,376	19,029	20,411	17,454	18,527	15,708	14,303	13,893	14,726	16,873
Fruit cocktail	5,547	5,608	6,224	4,957	5,786	4,992	6,289	6,347	5,415	6,021
Nuts	7,145	3,547	3,055	3,370	3,914	3,385	3,943	4,982	5,504	6,190
Other	32,120	39,838	40,108	36,520	38,749	36,489	41,093	40,064	37,447	40,306
Vegetables and preparations	57,423	59,606	55,616	55,505	54,612	59,721	63,723	72,582	70,674	77,955
Lettuce	5,856	6,074	5,833	7,540	7,183	7,920	9,263	11,235	11,452	11,191
Potatoes	5,532	8,962	4,892	4,440	3,913	5,059	6,152	7,633	6,617	9,127
Tomatoes, fresh	6,398	6,660	8,232	7,951	8,847	10,024	9,464	10,126	8,904	11,737
Other	39,637	37,910	36,659	35,574	34,669	36,713	38,844	43,588	43,701	45,900
Soybean oil cake and meal	15,176	11,057	13,228	19,809	19,150	16,913	18,973	20,393	20,002	20,069
Hides and skins	10,298	8,309	10,640	9,422	6,076	7,812	8,558	15,564	10,345	11,575
Cattle and calf	8,552	6,671	8,618	6,751	3,704	4,475	6,750	13,603	8,910	10,226
Other	1,746	1,638	2,022	2,671	2,372	3,337	1,808	1,961	1,435	1,349
Soybeans 3/	35,682	32,327	25,464	31,869	33,627	41,997	31,702	38,706	43,231	41,074
Cotton	19,310	44,867	47,603	46,702	46,888	57,462	48,392	29,454	32,603	12,727
Vegetable oils and waxes	12,042	12,941	12,994	9,925	11,552	14,313	17,122	14,750	9,071	8,642
Other agricultural exports	62,852	62,240	67,608	57,073	61,066	69,270	79,915	86,231	80,542	90,264
Total agricultural exports 6/	382,614	395,537	415,099	414,237	424,667	454,997	443,284	485,629	484,901	484,052
Nonagricultural exports	3,260,454	3,200,392	3,073,047	3,230,394	3,442,529	4,038,118	4,866,174	5,861,466	6,497,107	7,341,082
Total exports	3,643,068	3,595,929	3,488,146	3,644,631	3,867,196	4,493,115	5,309,458	6,347,095	6,982,008	7,825,134

1/ Calendar years. 2/ Unmilled, excluding sweet corn seed. 3/ Does not include transshipments. 4/ Grapefruit, lemons, limes, oranges, and tangerines. 5/ Grapefruit and orange. 6/ Transshipments of wheat, feedgrains, flaxseed and soybeans through Canadian ports not included for 1960-68. Negligible amount in 1959. Sources: 1959 (33), 1960-68 (35).

Table 19.--United States: Volume of principal agricultural exports to Canada, 1959-68 1/

Commodity	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Cattle	1,000 head	33	8	4	2	2	34	3	8	24	7
Meat and preparations											
Beef and veal, all products excl. offals	1,000 lb.	17,575	19,073	18,421	16,415	14,705	16,822	9,879	13,101	17,556	11,881
Pork, all products excl. offals	do	1,056	15,152	31,319	28,715	84,221	51,123	26,949	28,228	27,329	36,417
Eggs in shell	1,000 doz.	1,983	1,070	3,611	2,217	8,604	2,490	5,018	12,046	12,825	11,244
Corn and corn seed 2/ 3/	1,000 bu.	22,268	13,076	20,673	30,322	18,152	19,413	10,361	23,916	26,766	32,485
Rice, milled equivalent	1,000 lb.	22,935	21,375	27,696	85,457	99,345	91,509	115,355	97,182	116,129	130,949
Fruits, nuts and preparations											
Apples	1,000 bu.	900	1,065	1,061	879	654	831	1,002	975	714	714
Citrus 4/	1,000 lb.	530,569	453,769	438,135	439,350	344,497	405,805	438,416	495,511	567,155	422,047
Grapes	do	139,601	148,950	140,290	160,961	166,832	163,117	206,335	194,963	210,587	197,763
Citrus juices 5/	1,000 gal.	13,130	14,508	13,009	13,941	10,333	7,258	8,893	10,125	11,891	10,911
Fruit cocktail	1,000 lb.	31,916	33,133	39,654	32,371	36,917	28,987	37,482	36,534	30,469	32,276
Vegetables and preparations											
Lettuce	do	145,573	141,569	153,620	157,702	159,264	171,292	175,787	213,099	226,078	254,072
Potatoes	1,000 cwt.	1,848	3,084	2,231	1,542	1,869	1,220	1,538	2,951	2,359	3,133
Tomatoes	1,000 lb.	79,230	71,604	92,515	82,251	98,975	100,516	96,301	99,189	89,743	110,561
Soybean oil cake and meal	do	490,000	370,000	382,000	538,000	480,000	452,000	498,000	454,000	466,000	444,000
Cattle and calf hides & skins	1,000 pieces	1,108	1,061	1,271	956	655	964	994	2,186	1,284	1,428
Soybeans 3/	1,000 bu.	16,079	14,901	9,832	12,782	12,593	15,888	11,484	12,243	15,529	15,406
Cotton	1,000 bales	139	323	337	323	329	416	398	240	267	105
Vegetable oils and waxes	1,000 lb.	92,290	111,749	90,801	70,441	93,280	113,088	117,582	93,798	63,657	61,875

1/ Calendar years.
2/ Unmilled, excluding sweet corn seed.
3/ Transshipments not included for 1960-68. Negligible amount in 1959.
4/ Grapefruit, lemons, limes, oranges, and tangerines.
5/ Grapefruit and orange.

Sources: 1959 (33), 1960-68 (35).

Table 20.--Canada: Value of selected agricultural imports, by region or country of origin, 1959-69 1/

Commodity and origin	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 Canadian dollars										
Grain corn and seed	14,730	17,609	27,403	43,503	32,266	30,050	27,789	31,548	42,149	40,037	37,413
United States	14,730	17,609	27,400	43,503	32,266	30,050	27,789	31,548	42,149	40,036	37,413
Other	--	--	3	--	--	--	--	--	--	1	--
Rice	5,724	6,583	6,170	7,620	9,285	7,336	9,316	8,333	10,493	11,592	11,968
United States	2,567	2,680	2,931	7,205	9,083	6,695	7,695	7,489	9,997	11,318	11,622
Other	3,157	3,903	3,239	415	202	641	1,621	844	496	274	346
Fruits, nuts and preparations	173,135	174,514	183,440	195,621	198,185	208,626	213,378	215,929	227,007	250,046	270,017
United States	115,390	114,568	120,637	120,815	121,629	121,055	126,630	129,583	136,735	148,714	162,117
Australia	8,916	7,890	7,246	9,659	11,681	13,203	13,487	14,206	14,114	11,487	12,194
C. America, Panama and Ecuador 2/	23,718	24,147	24,846	26,149	26,939	30,888	31,259	31,461	33,627	35,283	35,335
Mexico	1,534	3,145	3,727	2,744	3,452	2,710	4,542	4,535	4,414	5,168	9,161
South Africa	711	1,489	3,232	4,264	5,082	6,559	6,283	5,440	6,111	7,334	6,925
Other	22,866	23,275	23,752	31,990	29,402	34,211	31,177	30,704	32,006	42,060	44,285
Citrus, fresh 3/	35,317	36,529	36,839	36,989	37,778	40,735	40,681	40,236	43,487	47,754	47,556
United States	32,344	31,149	30,591	31,195	30,722	33,303	34,127	33,988	37,235	39,431	40,935
Israel	513	520	562	509	912	946	1,099	1,043	807	456	820
Japan	2,004	2,297	2,518	1,884	2,187	2,050	2,098	2,153	2,487	2,562	2,390
Mexico	264	994	1,347	555	895	614	660	563	750	1,931	1,211
South Africa	70	1,360	1,648	2,695	2,455	2,689	2,383	2,327	1,886	2,458	1,951
Other	122	209	173	151	607	1,133	314	162	322	916	249
Grapes	11,121	11,647	13,280	14,632	16,268	18,364	19,987	21,376	24,034	24,593	27,153
United States	10,844	11,452	12,932	14,257	15,514	17,297	18,764	19,935	22,365	22,889	25,462
Chile	254	184	339	316	350	404	376	341	336	822	751
South Africa	16	3	5	58	326	627	841	1,094	1,296	786	827
Other	7	8	4	1	78	36	6	6	38	96	113
Fruit juices and concentrates	27,906	25,663	28,824	25,328	32,221	29,928	22,456	23,654	24,864	29,213	34,512
United States	27,295	25,040	27,598	24,613	26,572	21,956	18,689	18,912	21,356	22,089	23,578
Brazil	--	--	--	--	2,676	1,909	412	1,762	1,088	2,832	3,419
Commonwealth America	68	104	290	98	1,237	2,390	1,126	1,391	1,036	1,447	744
Other	543	519	936	617	1,736	3,673	2,229	1,589	1,384	2,845	6,771
Other fruit, nuts and preparations	105,549	109,493	104,497	118,672	111,918	119,599	130,254	130,663	134,622	148,486	160,796
Vegetables and preparations	62,952	69,076	67,403	73,131	74,001	81,881	91,787	100,129	105,579	116,726	122,043
United States	55,041	59,963	63,504	62,800	62,448	66,673	73,636	79,945	79,116	87,938	91,841
Mexico	3,695	5,249	2,689	3,272	4,165	5,111	6,669	7,316	7,845	10,130	12,286
Other	7,911	3,864	1,210	7,059	5,388	10,097	11,482	12,868	18,618	18,658	17,916
Lettuce	5,798	6,218	6,361	8,784	8,610	9,719	11,202	12,544	13,548	12,628	16,176
United States	5,798	6,218	6,305	8,784	8,610	9,719	11,202	12,544	13,548	12,628	16,176
Other	--	--	56	1	--	--	--	--	--	--	--
Tomatoes, fresh	10,168	12,065	11,654	12,318	13,914	16,342	17,665	18,864	18,910	23,187	22,351
United States	4,788	6,829	8,839	9,132	10,189	11,625	11,631	12,431	11,916	14,336	11,930
Mexico	3,508	5,016	2,350	3,002	3,674	4,647	5,918	6,381	6,744	8,769	10,298
Other	1,872	220	465	184	51	70	116	52	250	82	123
Other vegetables	46,986	50,793	49,388	52,029	51,477	55,820	62,920	68,721	73,121	80,911	83,516

See end of table for footnote references.

-- Continued

Table 20.--Canada: Value of selected agricultural imports, by region or country of origin, 1959-69 1/ -- Continued

Commodity and origin	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1,000 Canadian dollars										
Oilseed cake and meal	14,044	10,362	13,268	20,193	20,699	17,690	21,075	20,676	19,904	22,649	25,097
United States	14,044	10,362	13,145	20,193	20,699	17,689	21,075	20,675	19,904	22,649	25,095
Other	--	--	123	--	--	1	--	1	--	--	2
Oilseeds	35,248	41,082	38,790	48,211	50,115	63,284	60,788	65,376	61,765	43,961	59,248
United States	31,483	34,442	33,773	39,222	44,347	58,405	55,977	61,776	55,905	38,836	49,812
Other	3,765	6,622	5,017	8,989	5,768	4,879	4,811	3,600	5,860	5,125	9,436
Soybeans	28,058	32,204	30,261	37,340	41,094	52,898	46,327	52,438	48,063	31,071	40,960
United States	28,057	32,201	30,256	37,336	41,092	52,896	46,324	52,436	48,058	31,068	40,956
Other	1	3	5	4	2	2	3	2	5	3	4
Other oilseeds 4/	7,190	8,860	8,529	10,871	9,021	10,386	14,461	12,938	13,702	12,890	18,288
Cotton, excluding linters	43,079	49,928	47,313	54,333	51,223	60,061	64,052	45,624	59,373	49,918	46,696
United States	20,383	47,553	46,510	49,300	47,883	58,366	50,737	29,313	37,859	14,477	16,405
Mexico	19,019	2,054	604	3,504	2,415	994	4,404	9,767	4,177	18,882	22,711
Uganda	--	--	--	--	--	25	2,032	25	2,668	3,184	--
USSR	59	--	--	--	--	136	6,165	6,256	12,755	11,236	4,513
Other	3,618	321	199	1,531	925	540	714	263	1,914	2,139	3,067
Vegetable oils, edible	22,128	19,555	26,299	24,082	24,692	23,475	29,912	35,745	28,620	27,753	28,498
United States	8,361	9,319	9,841	7,565	9,640	11,861	16,284	14,074	7,633	6,529	8,717
Ceylon	3,293	2,369	5,448	3,441	2,991	2,892	2,618	243	2,150	547	711
Nigeria	--	--	252	1,448	1,462	954	755	4,499	4,408	4,065	3,498
Malaysia	3,263	1,933	4,684	4,547	3,511	2,029	4,483	6,583	4,089	5,544	4,678
Western Europe	4,070	3,069	4,435	4,484	5,318	4,141	3,878	8,894	8,448	7,803	7,958
Other	3,141	2,865	1,639	2,597	1,770	1,598	1,894	1,452	1,892	3,265	2,936

1/ Calendar years.
2/ Mostly bananas.
3/ Oranges, tangerines, grapefruit, lemons, and limes.
4/ Mainly peanuts

Source: (11, Dec. 1959-69).

Table 21.--Canada: Volume of selected agricultural imports, by region or country of origin, 1959-69 1/

Commodity and origin	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Grain corn and seed	1,000 bu.	12,054	14,947	22,699	34,777	22,957	20,768	18,180	20,230	29,119	30,831	26,143
United States	do	12,054	14,947	22,697	34,777	22,957	20,768	18,180	20,230	29,119	30,830	26,143
Other	do	--	--	2	--	--	--	--	--	--	1	--
Rice, milled equivalent 2/	1,000 lb.	72,029	84,920	66,620	65,166	77,766	71,450	121,223	86,683	91,456	96,523	95,049
United States	do	26,521	27,756	26,437	59,762	74,818	65,341	74,412	70,121	86,193	93,082	90,085
Brazil	do	45,508	57,164	40,183	5,404	2,948	6,109	46,811	16,569	5,262	3,441	4,964
Citrus, fresh 3/	1,000 lb.	656,100	618,447	578,339	558,608	461,862	543,811	577,949	588,572	658,738	571,065	684,615
United States	do	602,402	505,938	469,000	464,573	361,451	427,469	478,663	489,514	566,604	447,648	584,241
Israel	do	6,579	7,855	8,688	8,120	18,244	17,736	16,595	20,864	15,469	9,670	16,663
Japan	do	38,007	46,174	38,273	25,516	20,257	25,176	27,757	28,528	33,241	33,851	32,202
Mexico	do	5,053	21,120	25,307	11,036	11,233	9,255	11,436	10,004	12,200	28,402	18,709
South Africa	do	1,463	32,965	34,520	46,287	37,420	42,087	36,402	36,422	26,576	37,721	29,518
Other	do	2,596	4,395	2,551	3,076	13,257	22,088	7,096	3,240	4,648	13,773	3,282
Grapes	do	156,611	172,256	165,606	184,840	191,927	211,360	262,587	262,385	259,895	253,006	279,116
United States	do	155,286	171,153	164,022	183,107	188,642	206,249	256,246	255,706	251,522	245,333	270,294
Chile	do	1,130	1,004	1,497	1,353	1,391	1,820	1,751	1,559	1,406	3,282	3,361
South Africa	do	160	21	47	375	1,429	3,017	4,525	5,088	6,807	3,877	4,879
Other	do	35	78	40	4	465	274	65	32	160	514	582
Fruit juices and concentrates	1,000 gal.	17,659	18,222	16,657	16,301	14,014	11,572	12,434	13,491	17,580	15,488	16,775
United States	do	17,194	17,780	15,942	15,792	12,723	8,809	10,433	11,486	15,679	12,253	12,335
Brazil	do	--	--	--	--	319	298	132	606	395	1,012	1,008
Commonwealth America	do	68	102	268	74	479	836	597	619	623	771	383
Other	do	397	340	417	435	493	1,629	1,272	780	883	1,452	3,049
Lettuce	1,000 lb.	160,724	155,668	172,176	177,492	189,136	201,456	211,984	217,672	243,376	245,208	250,760
United States	do	160,724	155,668	170,677	177,482	189,136	201,456	211,984	217,672	243,376	245,208	250,760
Other	do	--	--	1,450	10	--	--	--	--	--	--	--
Tomatoes, fresh	do	156,487	155,891	162,756	160,349	169,145	168,560	170,689	185,497	192,882	194,197	213,837
United States	do	92,487	78,094	106,784	101,556	114,948	115,179	113,509	117,628	114,764	125,256	107,166
Mexico	do	63,454	75,897	49,739	56,922	53,613	52,840	56,151	67,364	75,391	67,972	104,992
Other	do	546	1,900	6,233	1,871	584	541	1,029	505	2,727	969	1,679

See end of table for footnote references.

-- Continued

Table 21.--Canada: Volume of selected agricultural imports, by region or country of origin, 1959-69 1/ -- Continued

Commodity and origin	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Oilseed cake and meal. . .	1,000 lb.	500,242	387,680	410,700	555,600	515,850	452,400	507,000	433,700	441,900	477,000	525,272
United States	do	500,242	387,680	406,300	555,500	515,849	452,300	507,000	433,600	441,900	477,000	525,266
Other. . . .	do	--	--	400	100	1	100	--	100	--	--	6
Soybeans . . .	1,000 bu.	13,173	15,209	11,512	13,928	14,191	18,278	15,876	15,841	16,109	10,980	14,866
United States	do	13,173	15,208	11,512	13,928	14,191	18,277	15,875	15,840	16,108	10,979	14,866
Other. . . .	do	--	--	--	--	--	1	1	1	1	1	--
Cotton, excluding linters .	1,000 bales	317	319	356	382	369	436	464	353	459	345	352
United States	do	145	301	350	347	347	424	372	234	303	114	140
Mexico . . .	do	145	16	4	24	16	7	31	73	29	119	160
Uganda . . .	do	--	--	--	--	--	--	13	--	20	20	--
USSR	do	--	--	--	--	--	1	43	44	94	76	28
Other. . . .	do	27	2	2	11	6	4	5	2	13	16	24
Vegetable oils, edible. . . .	1,000 lb.	178,364	167,494	212,303	189,728	197,198	180,478	198,221	244,049	220,140	208,108	226,420
United States	do	75,453	89,389	70,657	57,004	77,669	96,824	107,480	86,466	56,280	52,007	66,782
Ceylon . . .	do	22,117	20,835	54,533	34,422	25,796	22,464	18,257	1,842	17,374	3,275	5,205
Nigeria. . .	do	--	--	2,611	10,818	11,874	8,092	5,205	32,547	32,312	30,635	25,214
Malaysia . .	do	30,547	19,331	47,908	45,487	34,738	17,819	33,037	54,551	35,889	43,483	51,276
Western Europe	do	27,336	19,661	20,266	29,185	36,956	25,057	22,070	58,800	64,302	63,935	50,533
Other. . . .	do	22,911	18,278	16,328	12,812	10,165	10,222	12,172	9,843	13,983	14,773	27,410

1/ Calendar years.
2/ Milled equivalent = .665 of rough weight.
3/ Oranges, tangerines, grapefruit, lemons, and limes.

Source: (11, Dec. 1959-69).

CANADIAN PRODUCTION OF COMPETITIVE AGRICULTURAL PRODUCTS

The following tables identify production trends and patterns of the principal Canadian agricultural commodities competing with U.S. agricultural exports in third countries, within the U.S. market, or with U.S. imports within the Canadian market. Tables 22 and 23 provide general overviews of the Canadian agricultural economy in the 1959-69 period. The value of agricultural production (in constant dollars) has grown significantly since 1959, but crop production has grown much more rapidly than livestock (as indicated in table 23). In 1968, however, livestock production was still more important than crop production despite the latter's more rapid growth rate. The value of cattle and calf production increased substantially through the 1960's, but not fast enough to prevent being overtaken by wheat as the most valuable Canadian agricultural commodity. Since 1961, wheat has accounted for more than half the value of crops marketed. In 1968, no other crop equalled even 10 percent of the total value of crops. Hog and dairy production also contributed significantly to the Canadian agricultural economy.

Table 24 presents production trends of principal Canadian crops. Production and average yields of the most important export crops--wheat, barley, oats, flaxseed, rapeseed, and tobacco--have increased substantially since 1959. Of particular interest are the declining relative importance of oats and the greatly increased production of corn and rapeseed. Vegetable and fruit production has also increased since 1959.

Tables 25 through 27 show the dominance of the Prairie Provinces (Manitoba, Saskatchewan, and Alberta) in Canadian crop production--especially in grains and oilseeds. Within the Prairies, Saskatchewan produced over half the wheat during 1959-69, but lesser proportions of other crops. Ontario, however, produced most of Canada's corn, soybeans, tobacco, tomatoes, turnips, and grapes. Quebec is an important vegetable producer, and the Maritimes are important for potatoes and blueberries. The table showing crop production in the Prairies accounts for almost all cropland in that region. The region's cropland increase was mainly due to increased areas in summer fallow, rapeseed, barley, and tame hay. Over 70 percent of Prairie wheat is sown on summer fallow which results in yields about 40 percent greater than those obtained on stubble land. Smaller proportions of coarse grain and oilseed crops are also sown on summer fallow.

Tables 28 and 29 illustrate Canada's production patterns and trends for livestock, source of its most important agricultural exports to the United States. Total cattle production increased steadily through 1965, but has decreased since that year. About half of the Canadian cattle herd is located in the Prairies (Alberta ranks first within the Prairies); Ontario is the next most important cattle-producing region. Hog production is gradually trending upward. The Prairie Provinces and Ontario are the most important regions for hog production; Quebec ranks third. Production of nonfat dry milk, beef and veal, and cattle hides and calf skins rose during the 1959-68 period (table 29). Pork production has increased since 1961, but is still below the 1959 level.

Table 22.--Canada: Value and indices of agricultural production, 1959-69 1/

Year	Value 2/	Indices			
		Crops 2/	Livestock 2/	Total	
				Economic Research Service	Dominion Bureau of Statistics
	Million dollars 3/	1957-59 = 100			
1959	2,464	102	102	102	102.5
1960	2,638	114	99	109	107.8
1961	2,225	85	106	92	93.6
1962	2,819	122	107	116	119.4
1963	3,072	137	107	127	131.0
1964	2,836	120	112	117	121.8
1965	3,104	132	121	128	130.5
1966	3,502	157	121	145	147.6
1967	3,046	128	122	126	128.0
1968	3,226	131	126	135	139.6
1969 4/	3,426	151	124	142	n.a.

1/ Calendar year.
2/ Economic Research Service, USDA.
3/ Constant 1957-59 dollars.
4/ Preliminary

Sources: (34), (36), (8, Apr.-June 1969).

Table 23.--Canada: Cash receipts from farming operations, by commodity, 1959-68 1/

Commodity	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	Million Canadian dollars 2/									
Livestock and products:										
Cattle and calves	526	554	599	627	615	648	732	763	766	808
Hogs	334	271	301	294	299	321	341	345	336	332
Dairy products	484	493	492	468	496	536	518	488	515	523
Other livestock and products	322	325	332	324	363	365	380	383	355	365
Total	1,666	1,643	1,724	1,713	1,773	1,870	1,971	1,979	1,972	2,028
Crops:										
Wheat 3/	494	467	545	598	630	815	762	824	897	856
Barley 3/	91	68	59	68	59	75	81	87	112	114
Oats 3/	24	25	29	33	40	38	29	35	33	31
Net advance payments 4/	2	19	-31	5	10	-11	5	-4	6	49
Corn	10	9	9	10	13	18	20	24	26	24
Fruit	42	47	48	51	58	64	52	62	69	76
Vegetables (including potatoes)	111	123	105	107	109	126	150	131	130	153
Tobacco	88	88	92	85	99	85	72	97	136	132
Flaxseed	49	39	45	43	33	53	39	51	40	25
Rapeseed	5	4	15	11	15	21	25	38	38	30
Soybeans	12	9	11	13	12	17	12	16	19	21
Other	76	80	76	76	96	94	90	97	97	111
Total	1,004	978	1,003	1,100	1,174	1,395	1,337	1,458	1,603	1,622
Total cash receipts 5/	2,730	2,730	2,781	2,909	2,993	3,315	3,365	3,559	3,686	3,752

1/ Calendar years.
2/ Constant Canadian 1957-59 dollars, deflated by Canadian wholesale price indices for animal products, field crops, and all farm products. Indices adjusted for 1957-59=100.
3/ Includes Canadian Wheat Board payments for crops delivered in previous years.
4/ Canadian Wheat Board net cash advance payments for farm-stored grain.
5/ Does not equal total livestock and crops owing to the use of different price indices and the inclusion of supplementary payments.

Sources: (17), (8, Jan.-Mar. 1969).

Table 24.--Canada: Area, yields, and production of selected crops, 1959-69

Crop	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Total grains												
Area seeded	1,000 acres	44,030	43,469	41,973	45,326	45,855	46,123	46,023	48,433	48,976	49,196	45,901
Wheat												
Area seeded	do	24,500	24,583	25,316	26,817	27,569	29,698	28,301	29,693	30,121	29,423	24,968
Yield	bu./acre	18.2	21.1	11.2	21.1	26.2	20.2	22.9	27.9	19.7	22.1	27.4
Production	1,000 bu.	445,077	518,379	283,394	565,554	723,500	600,726	649,412	827,338	592,920	649,844	684,276
Total coarse grains												
Area seeded	1,000 acres	19,530	18,931	16,657	18,509	18,286	16,425	17,722	18,740	18,885	19,773	20,933
Barley												
Area seeded	do	7,886	6,857	5,529	5,287	6,177	5,495	6,121	7,461	8,115	8,837	9,535
Yield	bu./acre	27.3	28.2	20.4	31.4	35.8	30.7	35.7	40.4	30.6	36.8	39.7
Production	1,000 bu.	215,644	193,473	112,640	165,888	221,235	168,463	218,300	301,235	248,662	325,373	378,383
Oats for grain												
Area seeded	1,000 acres	9,089	9,620	8,543	10,591	9,338	7,984	8,362	7,924	7,436	7,556	7,655
Yield	bu./acre	37.9	41.4	33.2	46.6	47.7	43.5	47.8	47.3	40.9	48.0	48.5
Production	1,000 bu.	344,209	398,505	283,965	492,610	445,877	347,006	399,983	374,678	304,178	362,516	371,387
Corn for grain												
Area seeded	1,000 acres	485	456	400	439	553	655	746	807	876	958	978
Yield	bu./acre	63.7	57.3	73.0	76.0	65.5	80.7	79.8	82.2	84.6	84.8	75.0
Production	1,000 bu.	30,906	26,099	29,208	33,399	36,184	52,840	59,498	66,328	74,083	81,168	73,390
Other coarse grain 1/												
Area seeded	1,000 acres	2,070	1,998	2,185	2,192	2,218	2,291	2,493	2,548	2,458	2,427	2,767
Total oilseeds												
Area seeded	do	2,646	3,663	3,152	2,164	2,556	3,154	4,239	3,976	3,200	3,444	5,090
Flaxseed												
Area seeded	do	2,052	2,508	2,075	1,446	1,682	1,977	2,315	1,918	1,023	1,524	2,441
Yield	bu./acre	8.4	9.0	6.9	11.1	12.6	10.3	12.6	11.5	9.2	12.9	12.6
Production	1,000 bu.	17,191	22,477	14,318	16,065	21,116	20,305	29,176	22,020	9,378	19,666	30,748
Rapeseed												
Area seeded	1,000 acres	214	763	710	371	478	791	1,435	1,525	1,620	1,052	2,012
Yield	bu./acre	16.7	14.6	15.8	15.8	17.5	16.7	15.7	16.9	15.2	18.4	18.4
Production	1,000 bu.	3,571	11,111	11,199	5,864	8,360	13,230	22,600	25,800	24,700	19,400	37,100
Soybeans												
Area seeded	1,000 acres	251	226	212	221	228	231	265	279	290	295	322
Yield	bu./acre	27.2	22.1	31.3	29.9	21.9	30.2	30.3	32.3	27.9	30.6	23.8
Production	1,000 bu.	6,828	5,001	6,631	6,608	5,002	6,976	8,030	9,012	8,091	9,027	7,664
Other oilseeds 2/												
Area seeded	1,000 acres	129	166	155	126	168	155	224	254	267	573	315
Total tobacco												
Area harvested	do	128	136	138	131	114	86	99	130	141	135	132
Yield	lb./acre	1,326	1,575	1,521	1,548	1,766	1,798	1,700	1,799	1,514	1,622	1,842
Production	1 mil. lb.	169.9	214.2	209.7	203.0	201.1	153.4	168.9	234.2	213.1	218.8	243.2
Flue cured tobacco												
Area harvested	1,000 acres	117	129	128	122	106	80	94	124	135	130	128
Yield	lb./acre	1,305	1,592	1,529	1,533	1,764	1,798	1,702	1,803	1,509	1,623	1,839
Production	1 mil. lb.	152.4	205.5	195.4	187.6	186.6	143.2	159.2	223.8	204.3	211.3	235.4

--Continued

Table 24.--Canada: Area, yields, and production of selected crops, 1959-69 -- Continued

Crop	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Total vegetables												
Area planted	1,000 acres	632	633	654	623	635	684	700	727	668	686	n.a.
Carrots												
Area planted	do	13	11	12	13	14	14	15	14	14	16	n.a.
Yield	lbs./acre	19,600	24,971	23,323	26,600	25,200	24,600	19,500	29,897	25,750	26,137	n.a.
Production	1 mil. lb.	245.3	283.4	274.5	341.4	344.8	351.4	300.6	420.9	355.1	413.6	n.a.
Lettuce												
Area planted	1,000 acres	6	6	5	5	5	5	5	5	5	5	n.a.
Yield	lbs./acre	9,400	11,877	11,225	13,300	11,300	11,400	11,200	10,586	11,619	12,372	n.a.
Production	1 mil. lb.	57.4	67.5	53.8	65.4	54.1	57.1	57.5	48.2	56.5	63.2	n.a.
Potatoes												
Area planted	1,000 acres	284	292	306	287	286	277	295	319	304	303	306
Yield	cwt./acre	125.4	146.4	144.3	163.2	161.0	170.7	155.0	171.5	153.9	174.4	164.0
Production	1,000 cwt.	35,614	42,696	44,108	46,878	46,061	47,333	45,786	54,679	46,743	52,833	50,223
Tomatoes 3/												
Area planted	1,000 acres	41	39	33	33	31	34	35	28	33	31	n.a.
Yield	lbs./acre	17,946	22,055	24,252	26,044	22,381	22,490	25,541	23,563	24,919	24,450	n.a.
Production	1 mil. lb.	738.9	867.7	787.7	864.7	695.4	772.7	899.3	701.3	822.7	747.4	n.a.
Turnips												
Area planted	1,000 acres	8	9	10	9	9	10	10	9	9	9	n.a.
Yield	lbs./acre	25,300	24,914	30,547	22,100	21,400	23,400	23,400	23,618	27,485	30,172	n.a.
Production	1 mil. lb.	205.3	222.2	292.6	191.9	198.5	240.6	243.0	214.6	240.5	273.1	n.a.
Others 4/												
Area planted	1,000 acres	280	276	288	276	290	344	340	352	303	322	n.a.
Fruits												
Apples												
Production	1,000 bu.	15,278	14,913	17,106	20,039	23,016	20,052	22,292	21,042	24,491	20,010	21,882
Blueberries 5/												
Production	1,000 lb.	23,008	19,691	18,063	18,226	23,955	20,860	18,139	37,509	31,131	15,782	24,250
Grapes												
Production	1,000 lb.	74,322	113,167	85,237	92,343	106,780	119,581	126,012	122,536	138,178	121,789	123,769

1/ Includes rye, mixed grains, and buckwheat.
2/ Includes mustard seed and sunflower seed.
3/ Includes fresh tomatoes and processing tomatoes (as given by D.B.S.).
4/ Asparagus, processing beans, fresh beans, dry beans, beets, cabbage, cauliflower, celery, processing corn, fresh corn, cucumbers, onions, parsnips, processing peas, dry peas, and spinach (as given by D.B.S.).
5/ Includes Newfoundland.

Sources: Grains, oilseeds, dry beans and dry peas (8, Jan.-Mar. 1963, 1968, 1969) (21)
Tobacco (8, Apr.-June 1961-69), U.S. Agricultural Attache Reports.
Vegetables and fruit (8, July-Sept. 1960-69).

Table 25.--Canada: Production of selected agricultural commodities, by region, 1959-69

Commodity and region	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent of total										
Wheat:											
Maritime Provinces	.1	--	.1	--	--	--	--	--	--	--	.1
Quebec	.1	.1	.1	.1	--	.1	.1	.1	.1	.1	.1
Ontario	2.9	3.5	7.2	2.9	2.5	3.1	2.1	1.9	2.7	2.3	2.1
Prairie Provinces	96.6	96.1	91.7	96.5	97.2	96.2	97.3	97.5	96.8	96.8	97.2
British Columbia	.4	.4	.9	.5	.2	.6	.4	.4	.4	.7	.5
Barley:											
Maritime Provinces	.1	.1	.1	.2	.4	.4	.3	.4	.4	.4	.5
Quebec	.4	.5	.7	.4	.2	.3	.3	.2	.3	.2	.2
Ontario	1.8	1.7	3.0	2.2	2.0	3.8	4.4	3.7	5.3	5.0	4.2
Prairie Provinces	96.9	96.7	94.1	95.2	96.3	93.2	92.5	93.9	92.5	92.5	93.8
British Columbia	.8	1.0	2.1	1.9	1.1	2.3	2.5	1.8	1.5	1.8	1.3
Oats for grain:											
Maritime Provinces	2.9	2.8	3.6	2.3	2.0	3.1	2.0	2.8	2.4	2.3	2.3
Quebec	13.2	14.2	17.7	11.0	9.8	13.0	9.7	11.5	13.5	11.6	10.3
Ontario	27.1	20.7	31.7	20.4	19.3	23.3	19.5	15.8	19.2	16.2	11.5
Prairie Provinces	55.5	61.2	45.4	65.4	68.2	59.3	68.0	68.9	64.1	68.7	74.9
British Columbia	1.3	1.0	1.6	1.0	.7	1.2	.8	1.0	.8	1.2	1.0
Corn for grain:											
Quebec	--	--	--	--	--	--	--	1.7	2.1	3.1	4.7
Ontario	99.5	99.3	99.6	99.6	99.5	99.8	99.7	98.1	97.5	96.7	95.2
Prairie Provinces 1/	.5	.7	.4	.4	.5	.2	.3	.2	.4	.1	.1
Flaxseed:											
Quebec	--	--	--	2.2	1.9	2.5	1.5	1.3	2.7	1.4	.6
Ontario	1.4	1.9	2.7	2.4	1.9	1.8	1.1	1.0	1.2	.6	.1
Prairie Provinces	98.3	97.9	97.1	95.4	96.1	95.5	97.3	97.6	96.0	98.0	99.2
British Columbia	.3	.3	.3	.1	.1	.1	.1	.1	.1	--	--
Rapeseed:											
Prairie Provinces	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Soybeans:											
Ontario	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tobacco:											
Quebec	6.9	6.5	5.7	6.1	5.4	6.5	5.5	5.2	5.0	5.7	n.a.
Ontario	93.1	93.5	94.3	93.7	94.3	93.0	94.0	94.3	94.4	93.3	n.a.
Other	--	--	.1	.2	.3	.5	.5	.5	.7	1.0	n.a.
Carrots:											
Maritime Provinces	5.9	2.2	2.3	2.2	3.0	2.8	3.0	3.4	3.0	3.5	n.a.
Quebec	44.8	49.2	45.1	48.9	49.5	53.2	40.2	51.7	60.7	44.3	n.a.
Ontario	40.4	39.3	44.1	40.4	39.5	36.3	47.3	39.1	29.8	45.8	n.a.
Prairie Provinces	4.0	5.1	4.7	5.3	5.2	4.8	5.7	3.0	4.1	3.9	n.a.
British Columbia	5.9	4.3	3.8	3.3	2.8	3.0	3.7	2.7	2.5	2.4	n.a.
Lettuce:											
Maritime Provinces	4.1	2.4	1.8	2.2	1.9	2.0	2.4	2.9	2.2	2.0	n.a.
Quebec	32.9	34.5	29.6	38.3	41.0	42.3	32.0	42.8	41.4	41.7	n.a.
Ontario	47.0	48.3	51.9	45.6	42.6	41.2	49.1	34.9	35.6	37.6	n.a.
Prairie Provinces	1.1	2.8	2.8	1.8	.4	1.0	2.0	.3	1.2	.5	n.a.
British Columbia	14.9	12.0	13.9	12.0	14.1	13.6	14.5	19.2	19.6	18.2	n.a.

-- Continued

Table 25.--Canada: Production of selected agricultural commodities, by region, 1959-69 --Continued

Commodity and region	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	Percent of total										
Potatoes:											
Maritime Provinces	42.3	39.5	42.7	40.6	43.5	44.0	42.2	47.9	49.0	46.1	45.7
Quebec	22.1	23.3	21.6	21.2	19.4	19.1	18.0	16.0	17.0	19.1	15.3
Ontario	19.8	20.9	22.3	20.4	21.3	21.3	21.5	18.3	15.7	16.9	17.0
Prairie Provinces	9.5	11.1	8.3	13.5	12.1	11.8	13.7	13.9	14.3	13.8	17.7
British Columbia	6.3	5.2	5.1	4.3	3.7	3.8	4.6	3.9	4.1	4.1	4.3
Tomatoes:											
Maritime Provinces	.8	.5	.6	.3	.7	.4	.5	.8	1.0	.9	n.a.
Quebec	9.8	8.6	9.7	6.1	2.9	4.6	2.7	4.1	3.6	5.0	n.a.
Ontario	87.7	89.2	87.1	91.7	93.8	93.4	95.0	93.0	93.2	93.0	n.a.
Prairie Provinces	.1	.2	.4	.3	.5	.2	.3	.4	.3	.2	n.a.
British Columbia	1.6	1.4	2.1	1.7	2.2	1.4	1.4	1.7	2.0	.9	n.a.
Turnips:											
Quebec	--	--	--	15.2	16.8	19.4	13.6	22.3	18.1	15.8	n.a.
Ontario	97.2	94.4	95.7	74.7	72.4	72.6	71.3	60.6	71.0	74.7	n.a.
Prairie Provinces	--	3.8	2.7	7.5	9.1	6.1	10.3	13.3	7.7	7.0	n.a.
British Columbia	2.8	1.8	1.5	2.6	1.6	1.9	4.8	3.8	3.2	2.4	n.a.
Apples:											
Maritime Provinces	18.1	17.7	21.5	14.8	15.9	14.2	15.9	16.2	16.3	16.1	17.5
Quebec	26.1	21.0	21.3	29.9	23.0	18.8	34.7	19.5	31.9	27.9	24.9
Ontario	30.1	25.2	32.2	25.2	23.6	32.5	24.1	28.2	24.3	30.3	30.8
British Columbia	25.8	36.1	25.0	30.1	37.5	34.5	25.2	36.1	27.5	25.8	26.8
Blueberries:											
Atlantic Provinces	46.9	60.6	75.2	70.7	52.4	44.8	66.2	46.7	67.8	29.3	61.4
Quebec	45.4	31.0	15.0	18.8	35.7	42.0	17.0	44.1	17.5	38.1	28.8
British Columbia	7.6	8.4	9.8	10.5	11.9	13.2	16.8	9.2	14.7	32.7	9.8
Grapes:											
Ontario	96.5	98.8	95.8	96.4	96.1	95.2	99.7	95.1	94.6	89.8	97.1
British Columbia	3.5	1.2	4.2	3.6	3.9	4.8	.3	4.9	5.4	10.2	2.9

1/ All in Manitoba.

Sources: Grains, oilseeds and potatoes (8, Jan.-Mar. 1963, 1968, 1969), (21); tobacco (8, Apr.-June 1961-69); vegetables (except potatoes) and fruit (8, July-Sept. 1960-69) (20).

Table 26.--Prairie Provinces: Area, yields, and production of selected crops, 1959-69

Crop	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Total grains												
Area seeded	1,000 acres	38,267	37,955	36,289	29,672	40,385	40,607	40,606	43,070	43,606	43,878	40,686
Wheat												
Area seeded	do	23,970	23,900	24,629	26,237	26,996	29,080	27,790	29,166	29,570	28,860	24,400
Yield	bu./acre	17.9	20.8	10.6	20.8	26.0	19.9	22.7	27.7	19.4	21.8	27.3
Production	1,000 bu.	430,000	498,000	260,000	546,000	703,000	578,000	632,000	807,000	574,000	629,000	665,000
Total coarse grains												
Area seeded	1,000 acres	14,297	14,055	11,660	13,435	13,389	11,527	12,816	13,904	14,036	15,018	16,268
Barley												
Area seeded	do	7,700	6,680	5,361	5,097	5,922	5,217	5,741	7,010	7,600	8,330	9,000
Yield	bu./acre	27.1	28.0	19.8	31.0	36.0	30.1	35.2	40.4	30.3	36.1	39.4
Production	1,000 bu.	209,000	187,000	106,000	158,000	213,000	157,000	202,000	283,000	230,000	301,000	355,000
Oats for grain												
Area seeded	1,000 acres	5,626	6,344	5,122	7,152	6,260	5,054	5,646	5,450	5,090	5,340	5,630
Yield	bu./acre	33.9	38.5	25.2	45.0	48.6	40.8	48.2	47.3	38.3	46.6	49.4
Production	1,000 bu.	191,000	244,000	129,000	322,000	304,000	206,000	272,000	258,000	195,000	249,000	278,000
Other coarse grains 1/												
Area seeded	1,000 acres	971	1,031	1,177	1,186	1,207	1,256	1,430	1,444	1,346	1,348	1,638
Total oilseeds												
Area seeded	do	2,369	3,410	2,916	1,893	2,275	2,862	3,924	3,662	2,885	3,127	4,747
Flaxseed												
Area seeded	do	2,026	2,481	2,051	1,396	1,629	1,916	2,265	1,883	998	1,502	2,420
Yield	bu./acre	8.3	8.9	6.8	11.0	12.5	10.1	12.5	11.4	9.0	12.8	12.6
Production	1,000 bu.	16,900	22,000	13,900	15,300	20,300	19,400	28,400	21,500	9,000	19,300	30,500
Rapeseed												
Area seeded	1,000 acres	214	763	710	371	478	791	1,435	1,525	1,620	1,052	2,012
Yield	bu./acre	16.7	14.6	15.8	15.8	17.5	16.7	15.7	16.9	15.2	18.4	18.4
Production	1,000 bu.	3,571	11,111	11,199	5,864	8,360	13,230	22,600	25,800	24,700	19,400	37,100
Other oilseeds 2/												
Area seeded	1,000 acres	129	166	155	126	168	155	224	254	267	573	315
Tame hay												
Area seeded	do	3,853	4,078	4,533	4,691	4,730	4,807	5,014	5,249	5,027	4,780	5,100
Other field crops 3/												
Area seeded	do	187	194	205	203	211	246	221	218	191	209	227
Summer fallow												
Area	do	24,525	26,893	27,860	27,495	27,211	26,375	26,580	25,224	25,950	26,660	4/28,800
Total acreage for above purposes												
Area	do	69,201	72,530	71,803	73,954	74,812	74,897	76,345	77,423	77,659	78,654	79,560

1/ Includes corn for grain, rye, mixed grains, and buckwheat
2/ Inclues mustard seed and sunflower seed (soybeans not grown in Prairie Provinces).
3/ Includes dry peas, potatoes, fodder corn, and sugar beets.
4/ Intended area.

Sources: (8, Jan.-Mar. 1963, 1964, 1966, 1969) (20) (21).

Table 27.--Prairie Provinces: Area seeded, yields, and production of principal crops on summer fallow and stubble, 1959-69

Crop and description	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Wheat												
Summer fallow	1,000 acres	19,335	19,129	20,415	21,744	21,921	22,742	21,296	21,534	20,736	20,835	19,294
	bu./acre	19.5	22.3	11.5	21.9	27.7	21.3	23.9	29.8	21.3	23.7	29.1
	1,000 bu.	376,200	426,200	233,900	476,100	606,300	484,500	509,900	641,700	441,400	493,900	561,500
Stubble. . .	1,000 acres	4,635	4,771	4,214	4,493	5,075	6,338	6,494	7,632	8,834	8,025	5,106
	bu./acre	11.6	15.0	6.2	15.6	19.1	14.8	18.8	21.7	15.0	16.8	20.3
	1,000 bu.	53,800	71,800	26,100	69,900	96,700	93,500	122,100	165,300	132,600	135,100	103,500
Barley												
Summer fallow	1,000 acres	3,638	3,134	2,653	2,356	2,577	1,942	2,105	2,374	2,130	2,589	3,375
	bu./acre	33.1	33.9	22.8	35.9	43.9	37.2	43.1	50.5	38.0	44.4	48.4
	1,000 bu.	120,500	106,300	60,500	84,500	113,200	72,300	90,800	119,900	80,900	115,000	163,200
Stubble. . .	1,000 acres	4,062	3,546	2,708	2,741	3,345	3,275	3,636	4,636	5,470	5,741	5,625
	bu./acre	21.8	22.8	16.8	26.8	29.8	25.9	30.6	35.2	27.3	32.4	34.1
	1,000 bu.	88,500	80,700	45,500	73,500	99,800	84,700	111,200	163,100	149,100	186,000	191,800
Oats												
Summer fallow	1,000 acres	1,941	2,227	1,939	2,664	2,051	1,363	1,472	1,215	1,054	1,217	1,464
	bu./acre	42.6	46.4	30.5	52.0	60.6	49.2	57.3	60.6	46.1	56.2	61.5
	1,000 bu.	82,700	103,400	59,100	138,600	124,200	67,100	84,400	73,600	48,600	68,400	90,100
Stubble. . .	1,000 acres	3,685	4,117	3,183	4,483	4,209	3,691	4,173	4,235	4,036	4,123	4,166
	bu./acre	29.4	34.2	22.0	40.9	42.7	37.6	45.0	43.5	36.3	43.8	45.1
	1,000 bu.	108,300	140,600	69,900	183,400	179,800	138,900	187,600	184,400	146,400	180,600	189,700
Flaxseed												
Summer fallow	1,000 acres	1,223	1,445	1,211	736	716	746	764	562	269	541	1,093
	bu./acre	9.7	9.9	8.3	11.5	14.4	11.7	14.5	15.8	11.9	14.6	15.5
	1,000 bu.	11,900	14,300	10,000	8,500	10,300	8,700	11,100	8,900	3,200	7,900	16,900
Stubble. . .	1,000 acres	803	1,036	840	660	913	1,170	1,501	1,321	729	961	1,327
	bu./acre	6.2	7.4	4.6	10.3	11.0	9.1	11.5	9.5	8.0	11.9	10.2
	1,000 bu.	5,000	7,700	3,900	6,800	10,000	10,700	17,300	12,600	5,800	11,400	13,600
Rapeseed												
Summer fallow	1,000 acres	162	559	575	250	321	481	813	876	911	644	1,310
	bu./acre	18.4	16.3	17.0	18.0	20.1	18.9	18.8	20.2	18.4	20.8	20.8
	1,000 bu.	2,980	9,110	9,800	4,510	6,450	9,110	15,290	17,670	16,800	13,400	27,210
Stubble. . .	1,000 acres	51	204	135	121	157	310	622	649	709	408	702
	bu./acre	11.4	9.9	10.5	11.2	12.2	13.3	11.8	12.5	11.1	14.7	14.1
	1,000 bu.	580	2,010	1,420	1,350	1,910	4,120	7,310	8,130	7,900	6,000	9,890

Source: (8, Oct.-Dec. 1962, 1967-69).

Table 28.--Canada: Cattle and hogs on hand and estimated production, by region, 1959-68

Commodity and region	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 head									
Cattle, other than milk cows, Dec. 1										
Maritime Provinces	229	243	252	252	259	264	255	242	240	242
Quebec	691	702	715	719	730	711	661	641	655	676
Ontario	2,017	2,043	2,213	2,324	2,276	2,323	2,217	2,249	2,367	2,325
Prairie Provinces 1/	4,246	4,470	4,482	4,731	5,234	5,661	5,675	5,594	5,506	5,285
British Columbia	296	317	334	344	385	408	398	389	389	375
Total	7,479	7,775	7,997	8,370	8,884	9,367	9,206	9,115	9,157	8,903
Total cattle, Dec. 1										
Maritime Provinces	404	414	417	408	411	413	397	377	371	372
Quebec	1,668	1,679	1,700	1,705	1,714	1,699	1,644	1,616	1,643	1,686
Ontario	2,978	3,017	3,198	3,281	3,202	3,248	3,136	3,161	3,297	3,225
Prairie Provinces 1/	4,951	5,177	5,190	5,395	5,879	6,275	6,245	6,125	5,994	5,736
British Columbia	386	409	428	434	472	493	480	470	470	456
Total	10,387	10,696	10,933	11,223	11,678	12,128	11,902	11,749	11,775	11,475
Slaughter	3,355	3,553	3,602	3,663	3,728	4,120	4,670	4,420	4,406	4,554
Exports	343	273	503	492	279	222	613	537	262	353
Imports	29	5	1	1	--	40	--	8	24	1
Estimated Canadian production 2/	3,972	4,130	4,341	4,444	4,462	4,752	5,057	4,796	4,670	4,606
Hogs, Dec. 1										
Maritime Provinces	172	157	149	146	156	166	168	180	205	210
Quebec	1,026	847	915	1,002	1,142	1,077	1,037	1,223	1,264	1,085
Ontario	1,964	1,724	1,627	1,956	1,969	1,908	1,854	2,015	2,100	2,020
Prairie Provinces 1/	2,830	2,224	2,386	1,850	2,085	2,405	1,990	2,324	2,444	2,338
British Columbia	57	45	41	39	40	40	39	41	45	42
Total	6,049	5,001	5,118	4,993	5,392	5,596	5,088	5,783	6,058	5,695
Slaughter	9,662	7,804	7,589	7,698	7,622	8,296	7,932	7,890	9,162	9,234
Exports	5	7	28	5	4	4	9	13	20	21
Estimated Canadian production 2/	9,115	6,763	7,734	7,578	8,025	8,504	7,433	8,598	9,457	8,892

1/ About half in Alberta. 2/ Equals slaughter plus net trade and change in numbers on hand. Year ending Dec. 1.

Source: (18, 1968).

Table 29.--Canada: Production of selected animal products, 1959-69 1/

Product	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Nonfat dry milk 2/	1,000 lb.	176,437	171,969	213,029	192,292	176,066	203,047	222,155	263,508	316,378	358,771	n.a.
Beef and veal 3/	mil. lb.	1,174	1,391	1,445	1,467	1,550	1,715	1,912	1,898	1,887	1,990	1,915
Pork 3/	do	1,238	988	975	985	981	1,060	1,007	1,014	1,181	1,181	1,907
Cattle hides and calf skins 4/	1,000 pieces	3,113	2,318	2,502	2,478	2,462	2,792	3,686	3,188	3,236	n.a.	n.a.

1/ Calendar years.
2/ Skim milk powder.
3/ Estimated dressed weight of animals slaughtered.
4/ Sales of hides and skins produced in slaughtering and meat packing establishments.

Sources: Milk products (7, 1962/63, 1966, 1968); beef, veal, pork, hides, and skins (18, 1967, 1968). Reports from U.S. Agricultural Attache, Ottawa.

DOMESTIC DEMAND FOR COMPETITIVE COMMODITIES

Tables 30, 31, and 32 identify consumption trends which may have implications for agricultural trade. The tables indicate that total consumption of beef and veal, corn, barley, apples, and rapeseed has been growing very rapidly. On the other hand, total consumption of oats, wheat, citrus fruit, fruit juices, tobacco, and flaxseed seems to be on a downward trend. Only beef and veal and corn showed definite increases in per capita human consumption over the 1959-68 time period. Per capita consumption of wheat flour, citrus fruit and fruit juices declined. Figures on the consumption of feed per grain consuming animal unit are not precise, but nevertheless are good indicators for comparison among the grains consumed and changes in the level of consumption of particular grains. Consumption per animal unit of wheat declined after 1960, but by 1967 and 1968 again approached the 1960 level. As the tables indicate, barley consumption, after a decline in the early 1960's,is increasing; oats consumption is declining; and the use of corn per animal unit is growing rapidly. Animal consumption of flaxseed and rapeseed is of minor importance.

Table 30.--Canada: Apparent domestic disappearance of selected agricultural commodities, 1959-68

Commodity and use	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Beef and veal 1/	Million lb.	1,266	1,373	1,413	1,456	1,534	1,673	1,807	1,825	1,863	1,936
Pork 1/	do	991	940	919	932	962	1,001	942	941	1,099	1,114
Nonfat dry milk 1/ 2/	do	121	123	153	133	153	153	139	164	140	159
Corn 3/	1,000 bu.										
Food and industrial	do	13,300	14,300	14,700	15,700	17,800	18,700	20,300	21,700	22,300	22,100
Seed	do	300	200	300	300	300	300	300	400	400	400
Feed, etc. 4/	do	29,100	30,400	39,400	52,500	41,300	48,900	62,700	66,800	84,300	90,200
Total	do	42,700	44,900	54,300	68,600	59,400	67,900	83,400	88,800	107,000	112,700
Barley 3/											
Food	do	200	200	200	200	200	200	200	100	100	100
Seed	do	13,300	10,200	8,600	10,300	9,200	10,100	12,300	13,300	14,500	15,600
Industrial	do	14,000	14,600	14,100	15,600	14,600	16,200	16,000	18,000	17,000	17,300
Feed 4/	do	141,000	148,800	101,600	93,000	121,400	134,500	143,000	177,400	176,500	197,400
Total	do	168,500	173,800	124,500	119,100	145,300	161,000	171,400	208,800	208,200	230,500
Oats 3/											
Food	do	4,900	5,200	5,100	5,300	5,700	5,800	5,500	5,500	5,000	4,800
Seed	do	27,900	27,200	27,500	24,600	23,200	22,700	21,600	19,700	20,300	20,300
Feed 4/	do	405,200	418,700	289,400	370,900	376,400	362,400	374,900	362,000	308,200	283,000
Total	do	438,000	451,100	322,100	400,700	405,200	390,900	402,000	387,300	333,500	308,100
Rice, milled 5/	1,000 lb.	77,200	79,400	68,300	68,300	81,600	110,200	88,200	n.a.	n.a.	n.a.
Wheat 3/											
Food	1,000 bu.	55,000	56,300	58,900	53,000	59,100	57,700	60,900	59,000	60,500	59,900
Seed	do	34,700	35,900	37,700	39,100	42,100	40,100	42,000	40,400	39,400	35,000
Industrial	do	1,500	1,500	1,500	1,500	1,500	1,700	1,900	2,300	2,400	2,400
Feed 4/	do	65,100	63,200	44,000	44,400	54,100	48,100	52,600	53,800	65,900	62,500
Total	do	156,200	156,900	142,200	138,000	156,800	147,600	157,400	155,400	168,200	159,800
Apples 5/	do	14,819	13,690	15,689	17,649	16,656	18,671	20,854	18,763	17,776	17,246
Citrus fruit 5/	Million lb.	617	580	582	485	463	489	516	n.a.	n.a.	n.a.
Fruit juice 5/	do	388	311	388	357	399	353	357	n.a.	n.a.	n.a.

See end of table for footnote references.

-- Continued

Table 30.--Canada: Apparent domestic disappearance of selected agricultural commodities, 1959-68 -- Continued

Commodity and use	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Potatoes 3/	Million lb.	3,757	4,281	4,225	4,398	4,409	4,370	4,582	5,168	4,645	5,069
Tobacco 6/	do	140	137	139	142	134	148	152	154	155	7/137
Flaxseed 3/											
Seed	1,000 bu.	1,720	1,420	850	1,030	1,160	1,350	1,380	740	920	1,580
Industrial 8/	do	2,600	2,920	2,470	2,530	2,750	2,900	2,630	2,540	2,270	2,090
Feed 4/	do	2,670	2,380	1,330	1,200	1,070	1,130	2,610	1,480	740	2,360
Total	do	7,000	6,720	4,640	4,760	4,980	5,380	6,620	4,760	3,920	6,020
Rapeseed 3/											
Seed	do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	280	280	160	332
Industrial 8/	do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3,750	4,960	5,160	6,930
Feed 4/	do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3,110	4,060	2,970	2,680
Total	do	1,190	2,380	2,030	2,560	2,820	3,480	7,140	9,300	8,300	9,940
Cotton											
Mill 9/	1,000 bales 10/	351	335	369	393	399	448	450	417	425	n.a.
Total 11/	do	526	503	530	558	558	700	704	703	735	n.a.

1/ Calendar years.
2/ Skim milk powder.
3/ Years beginning August 1.
4/ A residue which includes waste and losses.
5/ Years beginning July 1.
6/ Redried leaf tobacco taken from stocks for manufacture, multiplied by 1.111 to obtain green weight equivalent. Years ending September 30.
7/ Not comparable with earlier years due to revised survey methods.
8/ Includes seed crushed for subsequent export as oil and oil meal.
9/ Mill consumption of raw cotton. Includes consumption for manufacture and eventual export as textile products.
10/ Converted from metric tons at 1 metric ton = 4.593 bales.
11/ Total end use of cotton textiles. 1964-67 are more inclusive of clothing imports than earlier dates.

Sources: Beef and veal, and pork (18, 1967, 1968); nonfat dry milk (8, Apr.-June 1964) (7, 1967, 1968); corn, 1959-62 (37), 1963-67 (6, Feb. 1969, 1970); barley, oats, and flaxseed (6, Feb. 1961-70); rice, citrus fruit, and fruit juice (31); wheat (12, Aug. 1965, 1969); apples and potatoes (8, Oct.-Dec. 1960-69); tobacco (8, Apr.-June 1968, 1969); rapeseed, 1959-64 (37), 1965-67 (6, Feb. 1966-70); cotton (24) (25) (26) (27).

Table 31.--Canada: Apparent per capita domestic disappearance of selected agricultural products, 1959-68

Commodity and use	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	Pounds									
Beef and veal 1/	72.5	76.9	77.3	78.2	80.8	86.6	91.9	91.1	91.2	93.2
Pork 1/	56.7	52.6	50.3	50.1	50.7	51.8	47.9	46.9	53.8	53.6
Nonfat dry milk 1/	6.9	6.9	8.4	7.2	8.1	8.0	7.1	8.2	6.8	7.6
Corn 2/										
Food and industrial	42.1	44.3	44.7	46.8	52.2	53.9	57.2	60.0	60.3	n.a.
Oats 2/										
Food	9.4	9.7	9.5	9.5	10.2	10.2	9.3	9.2	8.1	n.a.
Rice (milled) 3/	4.4	4.4	3.7	3.7	4.2	5.7	4.4	n.a.	n.a.	n.a.
Wheat flour 2/ 4/										
Food	136.3	136.3	139.9	123.7	135.6	130.0	134.3	127.6	128.4	125.3
Apples 3/	37.7	34.1	38.3	42.3	39.3	43.2	47.3	41.7	38.8	n.a.
Citrus fruit 3/ 5/										
Food	33.7	30.9	30.4	24.9	23.4	24.3	26.0	n.a.	n.a.	n.a.
Fruit juice 3/	21.8	17.2	21.2	19.0	20.9	18.3	18.1	n.a.	n.a.	n.a.
Potatoes 2/	212.5	236.6	229.2	234.3	230.9	224.8	230.7	255.2	225.2	n.a.
Cotton 1/ 5/	13.9	13.9	13.9	14.3	14.1	17.4	17.2	16.8	17.2	n.a.

1/ Calendar years. 2/ Years beginning Aug. 1. 3/ Years beginning July 1. 4/ Wheat converted to wheat flour equivalent by multiplying by 0.73. 5/ Converted from kilograms at 1 lb. = 2.20462 kg. 1964-67 more inclusive of clothing imports than earlier data.

Sources: Beef and veal, pork (18, 1967,1968); nonfat dry milk, whole dry milk (8, Apr.-June 1964) (7, 1967, 1968); corn, oats, wheat flour, apples, potatoes--calculated from data in table 30 using January population estimates as given in (5); rice, citrus fruit, fruit juice (30); cotton (24), (25), (26), (27).

Note: More complete data on per capita food consumption are available in (13).

Table 32.--Canada: Apparent domestic disappearance of selected agricultural commodities per grain consuming animal unit 1/, 1959-68 2/

Year	Wheat	Barley	Oats	Corn	Flaxseed	Rapeseed
	Pounds					
1959	244	423	860	102	9	n.a.
1960	242	456	908	107	9	n.a.
1961	168	310	624	140	5	n.a.
1962	170	284	802	187	4	n.a.
1963	199	357	769	142	4	n.a.
1964	174	389	723	165	4	n.a.
1965	191	415	742	212	9	9
1966	190	502	725	220	5	12
1967	233	498	616	278	2	9
1968	222	562	570	299	8	8

1/ A grain consuming animal unit is the equivalent in consumption of grain of one average milk cow in 1 year. Various classes of livestock and poultry are weighted as follows: horses, 0.5; milk cows, 1.0; other cattle, 0.51; hogs, 0.87; sheep, 0.04; and poultry, 0.045.

2/ Years beginning August 1.

Sources: Calculated from data in table 30, using animal unit figures given in (8, Oct.-Dec. 1969), but adjusted to correspond better with grain production years by averaging the June 1 animal unit figures from 2 years to arrive at a figure more comparable with the crop year.

FARM RESOURCES AND INPUTS

Tables 33 through 42 identify resources and inputs relevant to the competitiveness of Canadian agriculture. Tables 33 and 34 provide information on human resources. From 1956 to 1966, Canada's farm population declined by 787,000--from 17 to less than 10 percent of the total population. By 1966, 37 percent of Canada's farm population was in the Prairies and over 50 percent was in Quebec and Ontario. A comparison of tables 33 and 34 reveals that the Canadian labor force employed in agriculture has been declining at a more rapid pace than has the farm population. In 1969, 45 percent of the employed agricultural labor force worked in the Prairie Provinces.

Canada's farmland resources for the two most recent censuses--1961 and 1966--are classified in table 35. Between 1961 and 1966, the number of farms in Canada declined, but the area in farms increased somewhat. The decline in farm numbers was spread throughout the country, but farm area increased only in Western Canada--the Prairies and British Columbia. Farms in Western Canada--especially in the Prairie Provinces--tend to be much larger than those in Eastern Canada.

Tables 36, 37, and 38 provide information on farm capital and its relationship to workers and land. In the 1959-68 time period, farm capital grew in all regions, but the increase was most rapid in Ontario and the West. By 1968, the Prairie Provinces and Ontario, combined, possessed 83 percent of the country's total farm capital and the same percentage of its farm implements and machinery. Canadian agriculture has been inereasing in capital intensity, especially in the Prairies where capital investment per worker more than doubled from 1959 to 1968, and by the latter year was more than three times as great as that of Quebec. Capital investment per farm worker remains low in the Maritimes, but has been growing even more rapidly than in the Prairies. In 1966, the Prairie Provinces and Ontario accounted for 85 percent of Canada's farm trucks, 79 percent of its tractors, and 94 percent of its grain combines.

Recent trends in the use of two important agricultural inputs--fertilizers and pesticides--are indicated in tables 39 through 42. From 1959 through 1968, the use of fertilizers in Canada increased by over 150 percent. The most rapid rate of increased use was in the Prairie Provinces. Use per acre (improved farmland under crops and improved pasture) of fertilizers was heaviest in the Atlantic Provinces and lowest in the Prairies, but utilization has been increasing quite rapidly in the latter region. Consumption of special tobacco fertilizers has changed little since 1959. The value of total pest control products purchased (in constant dollars) has increased about 2-1/2 times since 1959. Sales of insecticides and fungicides have remained more or less constant, but sales of agricultural herbicides have quadrupled, and those of livestock treatments have more than tripled.

Table 33.--Canada: Total population, farm population, and percentage of population on farms, by region, 1956, 1961, and 1966 1/

Item and year	Canada	Atlantic Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
			1,000 persons			
Total population						
1956	16,081	1,764	4,628	5,405	2,854	1,398
1961	18,238	1,897	5,259	6,236	3,179	1,629
1966	20,015	1,975	5,781	6,961	3,382	1,874
Farm population						
1956	2,747	284	765	683	901	113
1961	2,128	167	585	524	767	85
1966	1,960	139	508	498	724	91
			Percent			
Percent of population on farms						
1956	17.1	16.1	16.5	12.6	31.6	8.1
1961	11.7	8.8	11.1	8.4	24.1	5.2
1966	9.8	7.0	8.8	7.2	21.4	4.9

1/ Census data as of June 1 of respective years.

Sources: (15), (19).

Table 34.--Canada: Total employed labor force, number in agriculture, 1/ and percentage in agriculture, by region, 1959-69 2/

Region and item	Unit	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Canada:												
Total	1,000 persons	5,870	5,965	6,055	6,225	6,375	6,609	6,872	7,152	7,379	7,537	7,780
In agriculture	do	700	683	681	660	649	630	594	544	558	546	535
Percent in agriculture	Percent	11.9	11.4	11.2	10.6	10.2	9.5	8.7	7.6	7.6	7.2	6.9
Atlantic Provinces:												
Total	1,000 persons	482	492	507	516	522	542	566	586	593	596	605
In agriculture	do	56	55	55	44	34	38	33	32	29	26	26
Percent in agriculture	Percent	11.6	11.2	10.8	8.5	6.5	7.0	5.8	5.5	4.9	4.4	4.3
Quebec:												
Total	1,000 persons	1,620	1,639	1,652	1,713	1,762	1,827	1,912	2,016	2,080	2,082	2,132
In agriculture	do	155	135	138	132	124	114	116	106	114	121	107
Percent in agriculture	Percent	9.6	8.2	8.4	7.7	7.0	6.2	6.1	5.3	5.5	5.8	5.0
Ontario:												
Total	1,000 persons	2,198	2,249	2,269	2,317	2,382	2,473	2,548	2,651	2,745	2,830	2,936
In agriculture	do	177	179	162	158	172	160	151	140	147	143	136
Percent in agriculture	Percent	8.1	8.0	7.1	6.8	7.2	6.5	5.9	5.3	5.4	5.1	4.6
Prairie Provinces:												
Total	1,000 persons	1,049	1,069	1,100	1,129	1,138	1,199	1,196	1,222	1,238	1,280	1,312
In agriculture	do	289	285	299	299	300	296	271	240	243	230	243
Percent in agriculture	Percent	27.6	26.7	27.2	26.5	26.4	24.7	22.7	19.6	19.6	18.0	18.5
British Columbia:												
Total	1,000 persons	521	516	527	551	571	605	639	678	722	750	795
In agriculture	do	24	30	27	27	18	22	22	25	25	26	23
Percent in agriculture	Percent	4.6	5.8	5.1	4.9	3.2	3.6	3.4	3.7	3.5	3.5	2.9

1/ Includes paid workers, self-employed, and unpaid family workers. 2/ Annual averages.

Sources: (4), (16), (2), (5).

Table 35.--Canada: All (census) farms classified by number, area, and use of agricultural land, by region, 1961 and 1966 1/

Item	Year	Unit	Canada 2/	Atlantic Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
Number of farms	1961	Number	480,903	33,391	95,777	121,333	210,442	19,934
	1966	do	430,522	26,393	80,294	109,887	194,844	19,085
Total farm area	1961	1,000 acres	172,551	5,445	14,198	18,579	129,815	4,507
	1966	do	174,125	4,641	12,886	17,826	133,476	5,292
Total improved land	1961	do	103,403	1,832	7,864	12,033	80,371	1,303
	1966	do	108,154	1,715	7,629	12,004	85,191	1,614
Under crops	1961	do	62,436	1,216	5,213	7,990	47,227	789
	1966	do	69,053	1,152	5,166	8,359	53,420	955
Improved pasture	1961	do	10,248	499	2,313	3,296	3,784	355
	1966	do	10,942	456	2,121	2,936	4,991	437
Summer fallow	1961	do	28,243	12	46	245	27,860	82
	1966	do	25,632	11	49	230	25,224	118
Other	1961	do	2,476	105	292	502	1,500	77
	1966	do	2,527	96	293	479	1,556	104
Total unimproved land	1961	do	68,148	3,614	6,334	6,546	49,444	3,203
	1966	do	65,970	2,925	5,257	5,822	48,285	3,678
Irrigated land	1961	do	855	1	3	81	593	177
	1966	do	855	n.a.	n.a.	n.a.	n.a.	n.a.
Average farm size	1961	acres	369	163	148	153	617	226
	1966	do	404	176	160	162	685	277

1/ Farm is defined as a holding of 1 or more acres, with sales of agricultural products in the last 12 months valued at C$50 or more. 2/ Includes Yukon and Northwest territories.

Sources: (15) and (19).

Table 36.--Canada: Value of total farm capital 1/ and of implements and machinery on farms, by region, 1959-68 2/

Region and item	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	Million Canadian dollars 3/									
Canada										
Farm capital	12,198	12,554	12,888	13,047	13,559	14,673	15,724	16,795	18,140	18,949
Implements and machinery	2,487	2,550	2,513	2,533	2,627	2,810	2,980	3,127	3,315	3,410
Maritime Provinces										
Farm capital	392	388	380	374	369	377	379	392	407	423
Implements and machinery	91	91	87	88	88	90	92	94	99	103
Quebec										
Farm capital	1,573	1,595	1,593	1,574	1,589	1,612	1,633	1,662	1,723	1,795
Implements and machinery	297	303	295	304	316	328	331	329	344	360
Ontario										
Farm capital	3,543	3,509	3,668	3,715	3,708	3,931	4,067	4,307	4,774	5,228
Implements and machinery	585	591	567	575	592	622	649	668	705	728
Prairie Provinces										
Farm capital	6,063	6,414	6,600	6,705	7,237	8,068	8,899	9,594	10,369	10,568
Implements and machinery	1,431	1,480	1,479	1,479	1,541	1,674	1,806	1,926	2,055	2,106
British Columbia										
Farm capital	627	648	647	651	656	686	746	841	868	935
Implements and machinery	82	85	85	87	90	95	103	109	113	114

1/ Livestock and poultry, lands and buildings, and implements and machinery.
2/ As of June 1.
3/ 1957-59 constant dollars. Deflated by Canadian General Wholesale Price Index, adjusted to 1957-59=100.

Source: (8, Apr.-June 1966, 1969).

Table 37.--Canada: Value per farmworker of total farm capital 1/ and of implements and machinery on farms, by region, 1959-68 2/

Region and item	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	Canadian dollars 3/									
Canada										
Farm capital	17,426	18,381	18,925	19,768	20,892	23,290	26,471	30,873	32,509	34,705
Implements & machinery	3,553	3,734	3,690	3,838	4,048	4,460	5,017	5,748	5,941	6,245
Maritime Provinces 4/										
Farm capital	7,000	7,055	6,909	8,500	10,853	9,921	11,485	12,250	14,034	16,269
Implements & machinery	1,625	1,655	1,582	2,000	2,588	2,368	2,788	2,938	3,414	3,962
Quebec										
Farm capital	10,148	11,815	11,543	11,924	12,815	14,140	14,078	15,679	15,114	14,835
Implements & machinery	1,916	2,244	2,138	2,303	2,548	2,877	2,853	3,104	3,018	2,975
Ontario										
Farm capital	20,017	19,603	22,642	23,513	21,558	24,569	26,934	30,764	32,476	36,559
Implements & machinery	3,305	3,302	3,500	3,639	3,442	3,888	4,298	4,771	4,796	5,091
Prairie Provinces										
Farm capital	20,979	22,505	22,074	22,425	24,123	27,257	32,838	39,975	42,671	45,948
Implements & machinery	4,952	5,193	4,946	4,946	5,137	5,655	6,664	8,025	8,457	9,157
British Columbia										
Farm capital	26,125	21,600	23,963	24,111	36,444	31,182	33,909	33,640	34,720	35,962
Implements & machinery	3,417	2,833	3,148	3,222	5,000	4,318	4,682	4,360	4,520	4,385

1/ Livestock and poultry, lands and buildings, and implements and machinery.
2/ As of June 1.
3/ 1957-59 constant dollars. Deflated by Canadian General Wholesale Price Index, adjusted to 1957-59=100.
4/ Figures shown are underestimates because employed agricultural labor force figure for all of the Atlantic Provinces (i.e., including Newfoundland) was used in calculations. In 1966, farm population of Newfoundland accounted for 6.5 percent of the total farm population of the Atlantic Provinces.

Source: Calculated from data in tables 34 and 36.

Table 38.--Canada: Trucks, tractors, and grain combines on farms, by region, 1961 and 1966 1/

Item	Year	Canada	Atlantic Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
Trucks							
Number.	1961	302,012	14,590	26,597	62,812	185,983	12,004
	1966	344,836	13,867	24,449	67,622	224,718	14,116
Farmworkers per truck.	1961	2.3	3.8	5.2	2.6	1.6	2.2
	1966	1.6	2.3	4.3	2.1	1.1	1.8
Tractors							
Number.	1961	549,789	21,351	70,697	150,046	290,700	16,974
	1966	598,483	22,101	81,674	162,303	312,705	19,676
Farmworkers per tractor. . . .	1961	1.2	2.6	2.0	1.1	1.0	1.6
	1966	.9	1.4	1.3	.9	.8	1.3
Acres of improved farmland per tractor. . . .	1961	188	86	111	80	276	77
	1966	181	78	93	74	272	82
Grain combines							
Number.	1961	155,611	1,570	3,046	22,387	127,276	1,331
	1966	170,182	2,237	6,108	25,372	134,797	1,667
Farmworkers per combine. . . .	1961	4.4	35.0	45.0	7.2	2.3	20.3
	1966	3.2	14.3	17.4	5.5	1.8	15.0
Acres of grain-land per combine 2/. . . .	1961	298	206	482	146	322	188
	1966	300	127	194	109	345	214

1/ As of June 1.
2/ Land planted in wheat, oats for grain, barley, mixed grains, rye, buckwheat, flaxseed, and rapeseed.

Sources: (15), (19) and data in tables 34 and 35.

Table 39.--Canada: Sales of fertilizers 1/ for domestic use, by region, 1959-68 2/

Year	Canada	Atlantic Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
	Short tons					
1959	908,214	143,570	150,424	467,617	113,911	32,692
1960	935,428	153,648	173,766	437,132	137,243	33,639
1961	1,077,412	171,472	200,559	498,705	173,480	33,196
1962	1,144,000	164,773	196,085	530,048	209,804	43,290
1963	1,256,841	162,565	189,469	571,671	289,834	43,302
1964	1,454,332	162,653	192,487	650,817	403,371	45,004
1965	1,593,593	180,901	212,561	688,846	463,864	47,421
1966	1,917,864	201,839	245,854	730,456	684,211	55,504
1967	2,183,406	183,370	277,130	823,206	845,924	53,814
1968	2,292,723	170,971	277,917	835,606	953,319	54,946

1/ Includes fertilizer materials and mixed fertilizers.
2/ Years ending June 30.

Sources: (14, 1960-69) (8, Jan.-Mar. 1960-69).

Table 40.--Canada: Sales of fertilizers for domestic use per acre of improved farmland under crops and improved pasture, 1961 and 1966

Region	1961	1966
	Pounds per acre	
Canada	29.6	47.9
Atlantic Provinces	200.0	251.0
Quebec	53.3	67.5
Ontario	88.4	129.3
Prairie Provinces	6.8	23.4
British Columbia	58.0	79.7

Sources: Calculated from data in tables 35 and 39.

Table 41.--Canada: Sales of special tobacco fertilizers, 1959-68 1/

Year	Short tons	Pounds sold per seeded acre of tobacco
1959	76,396	1,194
1960	80,032	1,177
1961	86,160	1,249
1962	80,985	1,236
1963	69,614	1,221
1964	51,070	1,188
1965	58,498	1,182
1966	74,710	1,149
1967	87,254	1,238
1968	83,840	1,290

1/ Figures in this table are included in totals of table 39. Years ending June 30.

Sources: (14, 1960-69) (8, Jan.-Mar. 1960-69), and data in table 24.

Table 42.--Canada: Sales of pest control products for agricultural use, 1/ 1959-68 2/

Year	Insecticides and fungicides	Agricultural herbicides	Livestock treatments	Total pest control products for agricultural use
	1,000 Canadian dollars 3/			
1959	9,544	7,540	1,732	18,817
1960	9,774	8,313	1,870	19,957
1961	12,075	10,083	2,371	24,529
1962	12,493	10,794	3,221	26,507
1963	12,589	11,903	2,340	26,832
1964	9,586	13,571	2,208	25,365
1965	9,218	15,702	2,412	27,332
1966	n.a.	n.a.	n.a.	35,444
1967	n.a.	n.a.	n.a.	39,464
1968	10,495	29,358	5,737	45,589

1/ Sales of registered firms showing sales in excess of C$10,000 a year. This figure is estimated to include at least 95 percent of total sales of pest control products in Canada.

2/ Years ending September 30.

3/ 1957-59 constant dollars, deflated by Canadian general wholesale price index, adjusted to 1957-59=100.

Source: (9, 1959-68).

CANADIAN GRAIN MARKETING PATTERNS

An efficient marketing and transport system for grains and oilseeds--Canada's most important agricultural exports--contributes to Canada's favorable competitive position in world markets.

The storage capacity of all licensed Canadian grain elevators increased by 8 percent between 1959 and 1968, but that of terminal and eastern (which are mostly terminal elevators) rose by 22 percent (table 43). The capacity of country elevators may change somewhat in the near future owing to rail line rationalization in the Prairies. Stocks of wheat and barley on hand have risen rapidly in recent years (table 44), with most of the increase taking place on farms.

Table 45 shows overseas exports (excluding exports to the United States) of Canada's principal grains and oilseeds from each of the country's five "seacoasts"--the Atlantic Ocean, the St. Lawrence River, the Great Lakes-St. Lawrence Seaway complex (exports from Thunderbay, Ontario, on Lake Superior--known as Lakehead), Hudson Bay (exports from Churchill, Manitoba), and the Pacific Ocean. The bulk of wheat exports moves through ports on the St. Lawrence River and the Pacific coast. The years of big wheat exports to the USSR brought increased use of the St. Lawrence River and Atlantic coast ports. The port at Lakehead accounts for only a small proportion of overseas shipments, but the terminals on St. Lawrence River ports are supplied almost entirely by lakeboats from the Lakehead. The use of Churchill's port is limited by the short shipping season on Hudson Bay, and that of the Atlantic ports by relatively high rail transport costs. A large proportion of barley and flaxseed as well as almost all rapeseed overseas exports move through the Pacific coast, reflecting the importance of Far Eastern markets for these commodities.

Table 43.--Storage capacity of Canadian licensed grain elevators, by type and region, 1959 and 1968 1/

Elevator type and year	Canada	Maritime Provinces	Quebec	Ontario, Southern	Ontario, Lakehead	Prairie Provinces	British Columbia
	1,000-bu. capacity						
Country							
1959. . . .	391,227	--	--	1,465	--	337,566	2,196
1968. . . .	394,279	--	--	60	--	391,345	2,847
Terminal							
1959. . . .	145,595	--	--	--	92,952	27,736	24,907
1968. . . .	164,182	--	--	--	107,321	27,193	29,669
Mill							
1959. . . .	13,637	--	--	1,480	--	11,220	937
1968. . . .	9,310	--	--	--	--	9,292	18
Eastern 2/							
1959. . . .	97,767	7,229	33,312	57,226	--	--	--
1968. . . .	132,577	8,229	69,932	54,416	--	--	--
Total							
1959. .	648,226	7,229	33,312	60,171	92,952	426,522	28,040
1968. .	700,349	8,229	69,932	54,476	107,321	427,830	32,561

1/ As of December 1.
2/ Mostly terminal elevators, but also includes mill and country elevators.

Source: (8, Jan.-Mar., 1960, 1969).

Table 44.--Stocks of Canadian wheat, oats, and barley in Canada, 1959-70 1/

Item	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
	Million bushels											
Wheat:												
On farms	357	388	424	236	281	432	381	450	533	450	618	807
In storage, transport, mills	376	367	416	345	388	353	337	300	315	459	406	421
Total	733	755	840	581	669	785	718	750	848	909	1,024	1,228
Barley:												
On farms	143	151	136	69	96	138	120	125	178	168	240	353
In storage, transport, mills	58	53	56	38	44	62	52	67	78	55	61	64
Total	201	204	192	107	140	200	172	192	256	223	301	417
Oats:												
On farms	205	197	218	139	240	257	219	219	199	139	170	283
In storage, transport, mills	39	23	24	21	41	46	28	28	37	21	29	24
Total	244	220	242	160	281	303	247	247	236	160	199	307

1/ As of March 31.

Source: (8, Jan.-Mar. 1960-70).

Table 45.--Overseas exports from Canadian ports of selected grains and oilseeds, by clearance sector, 1959-68 1/

Commodity and sector	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1,000 bushels									
Wheat: 2/										
Atlantic	24,325	33,546	21,674	18,701	53,912	33,945	38,785	32,893	15,532	20,328
St. Lawrence 3/	84,076	119,593	120,477	111,065	280,686	151,528	287,819	238,950	116,893	79,023
Lakehead (direct)	7,324	11,012	9,921	7,874	7,569	4,108	5,170	8,807	13,248	4,489
Churchill	21,700	20,095	19,245	21,762	21,680	22,060	25,077	21,031	21,543	22,582
Pacific	95,068	124,187	149,947	139,174	171,851	155,100	188,405	130,901	143,450	154,120
Total	232,492	308,433	321,265	298,578	535,700	366,742	545,256	482,582	310,665	280,541
Barley:										
Atlantic	--	72	--	167	--	--	--	--	--	--
St. Lawrence 3/	5,048	88	1,550	1,245	591	198	8,923	10,257	1,508	--
Lakehead (direct)	7,267	2,323	2,207	1,738	4,130	4,968	4,813	11,594	932	2,339
Churchill	--	--	--	--	--	--	--	--	--	--
Pacific	31,852	27,003	23,144	5,179	28,131	19,834	15,305	23,899	29,272	11,195
Total	44,167	29,486	26,901	8,329	32,851	25,000	29,041	45,750	31,711	13,533
Oats:										
Atlantic	165	--	26	337	185	165	66	--	--	53
St. Lawrence 3/	1,055	703	358	2,223	936	646	1,048	485	444	362
Lakehead (direct)	428	87	838	6,513	2,042	7,633	4,554	1,458	1,111	679
Churchill	138	108	--	--	--	--	--	--	--	--
Pacific	2,734	209	506	9,017	12,796	3,740	8,457	432	234	231
Total	4,520	1,107	1,728	18,089	15,959	12,184	14,125	2,374	1,789	1,325
Flaxseed:										
Atlantic	560	353	108	598	380	184	1,358	--	--	891
St. Lawrence 3/	3,351	3,013	4,689	5,212	4,987	3,837	2,302	3,153	2,800	3,439
Lakehead (direct)	1,793	2,819	1,007	1,785	1,898	4,038	8,710	6,790	4,621	2,815
Churchill	--	--	--	--	--	--	--	--	--	--
Pacific	6,789	7,418	6,184	4,943	6,373	6,276	6,560	6,624	5,190	6,277
Total	12,494	13,603	11,988	12,538	13,638	14,335	18,930	16,568	12,611	13,421
Rapeseed:										
Atlantic	n.a.	n.a.	--	--	--	67	--	--	--	--
St. Lawrence 3/	n.a.	n.a.	--	--	--	--	149	322	100	--
Lakehead (direct)	n.a.	n.a.	--	--	--	613	1,136	1,030	113	709
Churchill	n.a.	n.a.	--	--	--	--	--	--	--	--
Pacific	n.a.	n.a.	6,796	5,560	5,088	8,428	12,336	12,460	12,066	13,505
Total	n.a.	7,946	6,796	5,560	5,088	9,108	13,621	13,812	12,279	14,214

1/ Years beginning Aug. 1. 2/ Excludes bagged seed wheat. 3/ Includes small quantities from lower Great Lakes ports of Kingston, Sarnia, and Toronto.

Sources: (1, 1959-60 - 1968-69) (12, Aug. 1960-69).

Appendix.--Canada: Population, animal units, price indices, and exchange rates, 1959-69

Item	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
January population estimates (1,000) 1/		17,678	18,092	18,434	18,767	19,093	19,440	19,857	20,252	20,630	20,940
Estimated animal units as of Dec. 1 (1,000) 2/	16,020	15,678	15,759	15,694	16,339	16,601	16,530	16,972	17,010	16,870	
Price indices (1957-59 = 100) 3/											
Consumer	101.6	102.9	103.8	105.1	106.9	108.8	111.5	115.6	119.8	124.7	
Wholesale											
General	100.9	101.0	102.1	105.0	107.0	107.3	109.5	113.5	115.5	118.1	
Canadian farm products											
Field	102.3	109.8	111.3	113.5	114.5	115.1	122.1	121.8	115.4	108.2	
Animal	101.3	98.5	100.7	106.7	102.8	99.7	107.9	120.0	121.4	122.9	
Total	101.7	103.0	104.9	109.4	107.4	105.7	113.5	120.7	119.0	117.1	
U.S. value of Canadian dollars	1.043	1.031	.987	.936	.925	.925	.925	.925	.925	.925	

1/ 1960 estimate was used as the mid-point for crop years beginning in July or Aug., 1959; also for other years. 2/ Dec. 1, 1959 estimate is the average of the June 1, 1959 and 1960 figures reported in (8). 3/ Consumer price index was originally reported with a base of 1961 = 100; wholesale price indices were originally recorded with a base of 1935-39 = 100. All indices were converted to a 1957-59 base.

Sources: Population (5), animal units (8, Oct.-Dec. 1968), price indices (3), dollar conversion rates, 1959-62 (28).

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